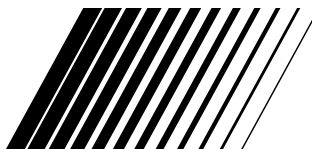


# JVC



## CD RECEIVER

## KD-AR770/KD-G720

ENGLISH

## RECEPTOR CON CD

## KD-AR770/KD-G720

ESPAÑOL

## RECEPTEUR CD

## KD-AR770/KD-G720

FRANÇAIS



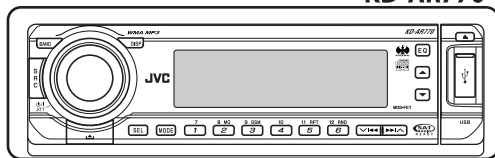
**MP3**  
**WMA**

**SAT**  
**RADIO**  
**READY**

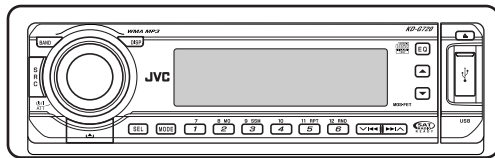
**COMPACT**  
**disc**  
**DIGITAL AUDIO**  
**TEXT**



**KD-AR770**



**KD-G720**



For canceling the display demonstration, see page 8.

Para cancelar la demostración en pantalla, consulte la página 8.

Pour annuler la démonstration des affichages, référez-vous à la page 8.

For installation and connections, refer to the separate manual.

Para la instalación y las conexiones, refiérase al manual separado.

Pour l'installation et les raccordements, se référer au manuel séparé.

### For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

# INSTRUCTIONS

MANUAL DE INSTRUCCIONES  
MANUEL D'INSTRUCTIONS

GET0354-001A

[J]

### INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

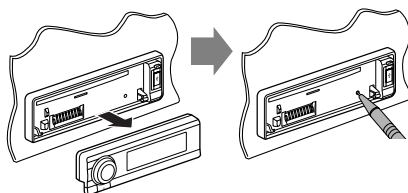
### Caution:

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

### IMPORTANT FOR LASER PRODUCTS

1. **CLASS 1 LASER PRODUCT**
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

### How to reset your unit

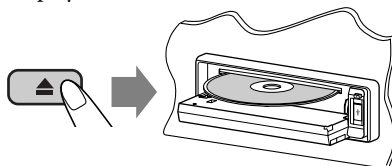


- Your preset adjustments will also be erased.

### How to forcibly eject a disc



"PLEASE" and "EJECT" appear alternately on the display.

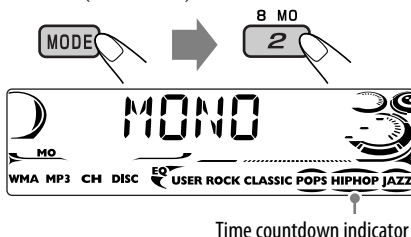


- If this does not work, reset your unit.
- Be careful not to drop the disc when it ejects.

### How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.





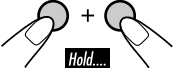


To use these buttons for their original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared or press MODE again.





Thank you for purchasing a JVC product.  
Please read all instructions carefully  
before operation, to ensure your complete  
understanding and to obtain the best possible  
performance from the unit.

## How to read this manual

- Button operations are mainly explained with the illustrations in the table below.
- Some related tips and notes are explained in “More about this unit” (see pages 23 – 26).

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

The following marks are used to indicate...

-  : Built-in CD player operations.
-  : External CD changer operations.
-  : External USB memory operations.
-  : Indicator displayed for the corresponding operation.

### Warning:

If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

## CONTENTS

<b>Control panel — KD-AR770 and KD-G720 .....</b>	<b>4</b>
<b>Remote controller — RM-RK50 .....</b>	<b>5</b>
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<b>Disc/USB memory operations.....</b>	<b>10</b>
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Playing discs in the CD changer .....	10
Playing from a USB memory .....	10
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<b>General settings — PSM .....</b>	<b>14</b>
<b>Title assignment .....</b>	<b>17</b>
<b>Satellite radio operations.....</b>	<b>18</b>
<b>iPod®/D. player operations .....</b>	<b>21</b>
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<b>More about this unit .....</b>	<b>23</b>
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<b>Troubleshooting.....</b>	<b>27</b>
<b>Specifications.....</b>	<b>31</b>

### For safety...

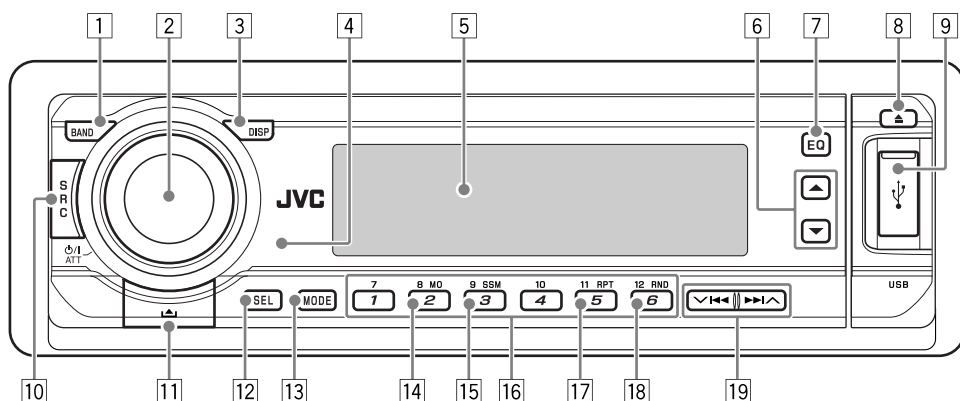
- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

### Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

# Control panel — KD-AR770 and KD-G720

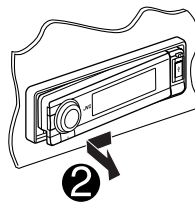
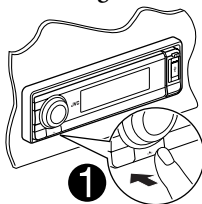
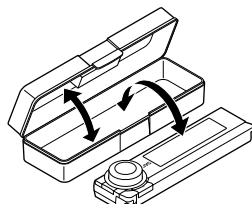
## Parts identification



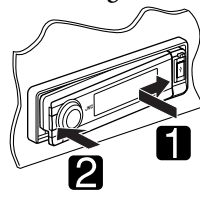
- |   |  |
|---|--|
| 1 BAND button   | 9 USB (Universal Serial Bus) input terminal      |
| 2 • Control dial  | 10 SRC (source) button                           |
| • ◻/I ATT (standby/on attenuator) button  | 11 ▲ (control panel release) button              |
| 3 DISP (display) button   | 12 SEL (select) button                           |
| 4 Remote sensor   | 13 MODE button                                   |
| • DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting). | 14 MO (monaural) button                          |
| 5 Display window  | 15 SSM (Strong-station Sequential Memory) button |
| 6 ▲ (up) / ▼ (down) buttons   | 16 Number buttons                                |
| 7 EQ (equalizer) button   | 17 RPT (repeat) button                           |
| 8 ▲ (eject) button  | 18 RND (random) button                           |
|   | 19 ◻ ◻ ▶ ▶ buttons                               |

## How to detach/attach the control panel

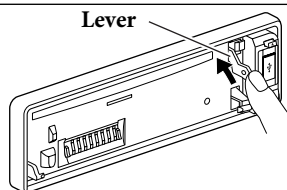
### Detaching...



### Attaching...



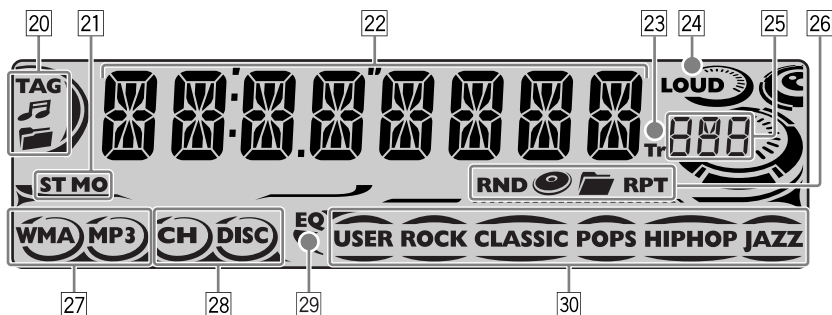
Lever



### CAUTION:

The lever comes out if you pressed the ▲ button while the panel is detached. If this happens, push the lever back into lock position before attaching the panel.

## Display window

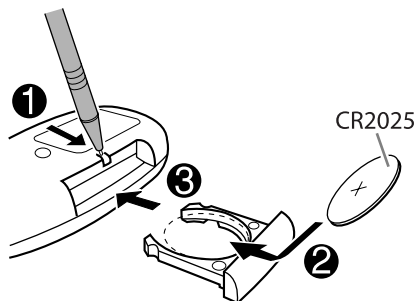


- 20 Track information indicators—TAG (ID3 Tag), (track/file), (folder)
- 21 Tuner reception indicators—ST (stereo), MO (monaural)
- 22 Main display
- 23 Tr (track) indicator
- 24 LOUD (loudness) indicator
- 25 Source display / Volume level indicator
- 26 Playback mode / item indicators—RND (random), (disc), (folder), RPT (repeat)
- 27 Track type indicators\*—WMA, MP3
- 28 Playback source indicators\*—CH (CD changer), DISC (built-in CD player)
- 29 EQ (equalizer) indicator
- 30 Sound mode (C-EQ: custom equalizer) indicators—USER, ROCK, CLASSIC, POPS, HIP HOP, JAZZ
  - also works as the time countdown indicator and level meter during play (see page 15).

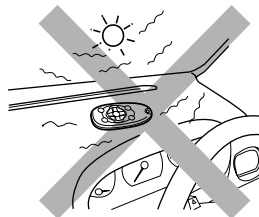
\* lights up for the selected item.

## Remote controller — RM-RK50

### Installing the lithium coin battery (CR2025)



### Caution:



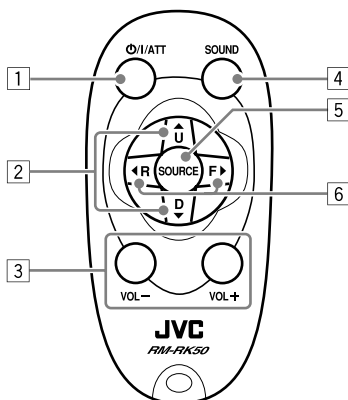
Aim the remote controller directly at the remote sensor on the unit. Make sure there is no obstacle in between.

Continued on the next page

**Warning:**

- Do not install any battery other than CR2025 or its equivalent; otherwise, it may explode.
- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
  - Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
  - Do not leave the battery with other metallic materials.
  - Do not poke the battery with tweezers or similar tools.
  - Wrap the battery with tape and insulate when throwing away or saving it.

## Main elements and features



- 1** **⏻/I/ATT** (standby/on/attenuator) button
  - Turns the power on if pressed briefly or attenuates the sound when the power is on.
  - Turns the power off if pressed and held.
- 2** **▲ U** (up) / **D** (down) **▼** buttons
  - Changes the FM/AM bands with **▲ U**.
  - Changes the preset stations with **D ▼**.

- Changes the folder of the MP3/WMA/USB.
- While playing an MP3 disc on an MP3-compatible CD changer:
  - Changes the disc if pressed briefly.
  - Changes the folder if pressed and held.
- While listening to the satellite (SIRIUS or XM) radio:
  - Changes the categories.
- While listening to an Apple iPod® or a JVC D. player:
  - Pauses/stops or resumes playback with **D ▼**.
  - Enters the main menu with **▲ U**.  
(Now **▲ U/D ▼**/**◀ R/F ▶** work as the menu selecting buttons.)\*

- 3** **VOL - / VOL +** buttons
  - Adjusts the volume level.
- 4** **SOUND** button
  - Selects the sound mode (C-EQ: custom equalizer).
- 5** **SOURCE** button
  - Selects the source.
- 6** **◀ R** (reverse) / **F** (forward) **▶** buttons
  - Searches for stations if pressed briefly.
  - Fast-forwards or reverses the track if pressed and held.
  - Changes the tracks if pressed briefly.
  - While listening to the satellite radio:
    - Changes the channels if pressed briefly.
    - Changes the channels rapidly if pressed and held.
  - While listening to an iPod or a D. player (in menu selecting mode):
    - Selects an item if pressed briefly. (Then, press **D ▼** to confirm the selection.)
    - Skips 10 items at a time if pressed and held.

\* **▲ U** : Returns to the previous menu.  
**D ▼** : Confirms the selection.

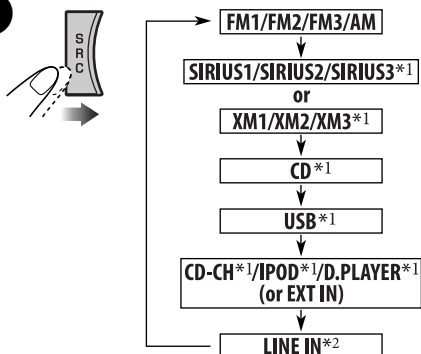
# Getting started

## Basic operations

- 1 Turn on the power.



- 2



\*1 You cannot select these sources if they are not ready or not connected.

\*2 Only for KD-AR770.

- 3



For FM/AM tuner



For SIRIUS radio



For XM radio



- 4 Adjust the volume.



Volume level appears.



Volume level indicator

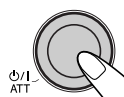
- 5 Adjust the sound as you want. (See pages 13 and 14.)

### Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

### To drop the volume in a moment (ATT)

To restore the sound, press it again.

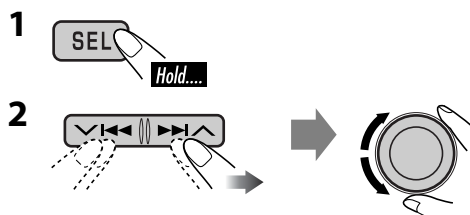


### To turn off the power



## Basic settings

- See also “General settings — PSM” on pages 14 – 16.



### 1 Canceling the display demonstrations

Select “DEMO,” then “DEMO OFF.”

### 2 Setting the clock

Select “CLOCK H” (hour), then adjust the hour.

Select “CLOCK M” (minute), then adjust the minute.

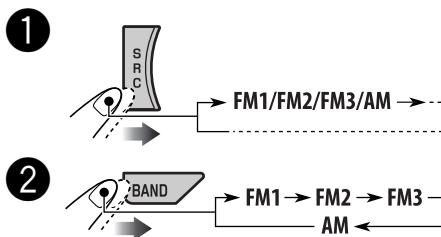
### 3 Finish the procedure.



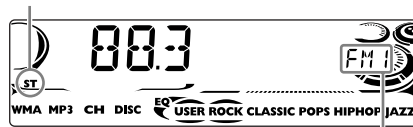
### To check the current clock time while the power is turned off



## Radio operations

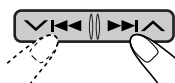


Lights up when receiving an FM stereo broadcast with sufficient signal strength.



Selected band appears.

### 3 Start searching for a station.

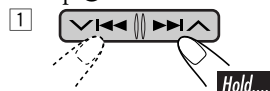


When a station is received, searching stops.

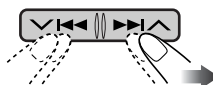
To stop searching, press the same button again.

### To tune in to a station manually

In step 3 above...

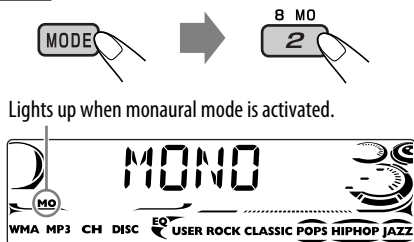


### 2 Select a desired station frequency.





## When an FM stereo broadcast is hard to receive



Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure. "MONO OFF" appears and the MO indicator goes off.

## Storing stations in memory

You can preset six stations for each band.

### FM station automatic presetting—SSM (Strong-station Sequential Memory)

- 1 Select the FM band (FM1 – FM3) you want to store into.



- 2 MODE

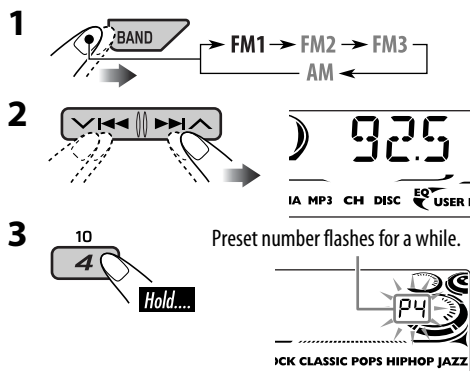


"SSM" appears, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

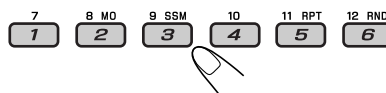
## Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.

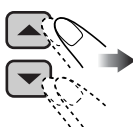


## Listening to a preset station

- 1 Select the FM band (FM1 – FM3) you want to store into.
- 2 Select the preset station (1 – 6) you want.



or



## To check other information while listening to the radio



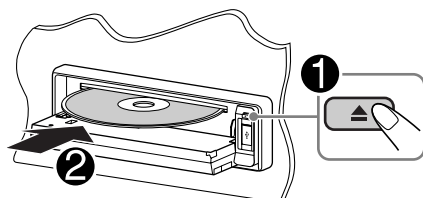
Clock → Station name\* → Frequency → (back to the beginning)

\* If no name is assigned to a station, "NO NAME" appears. To assign a name to a station, see page 17.

# Disc/USB memory operations

## Playing a disc in the unit

All tracks will be played repeatedly until you change the source or eject the disc.



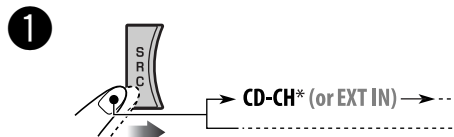
To stop play and eject the disc



## Playing discs in the CD changer

All discs in the magazine will be played repeatedly until you change the source.

- Ejecting the magazine will also stop playback.



\* If you have changed the external input setting to "EXT IN" (see page 16), you cannot select the CD changer.

## 2 Select a disc.

For disc number from 01 – 06:



For disc number from 07 – 12:



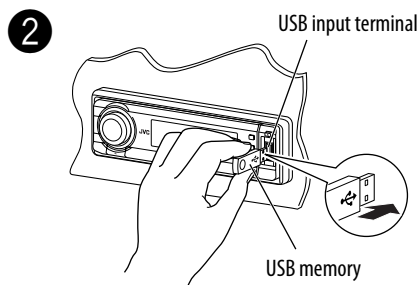
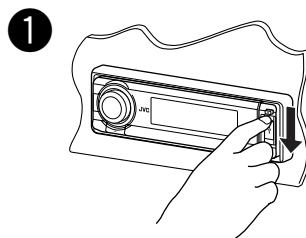
Hold....

## Playing from a USB memory

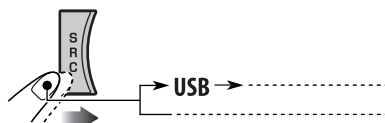
This unit can play MP3/WMA tracks stored in a USB memory.

All tracks in the USB memory will be played repeatedly until you change the source.

- Removing the USB memory will also stop playback.



If a USB memory has been attached...



Playback starts from where it has been stopped previously.

- If a different USB memory is currently attached, playback starts from the beginning.

To detach the USB memory, straightly pull it out from the unit.

### Cautions:

- Avoid using the USB memory if it might hinder your safety driving.
- Make sure all important data has been backed up to avoid losing the data.

## About MP3 and WMA tracks

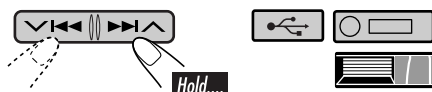
MP3 and WMA “tracks” (words “file” and “track” are used interchangeably) are recorded in “folders.”

## About the CD changer

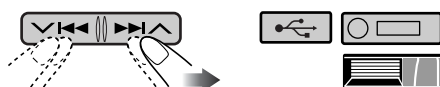
It is recommended to use a JVC MP3-compatible CD changer with your unit.

- You can also connect MP3-incompatible CD changers. However, these units are not compatible with MP3 discs.
- You cannot use the CH-X99, CH-X100, and KD-MK series CD changers with this unit.
- You cannot play any WMA disc in the CD changer.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- For connection, see Installation/Connection Manual (separate volume).

## To fast-forward or reverse the track



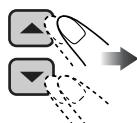
## To go to the next or previous tracks



## To go to the next or previous folders (only for MP3/WMA/USB)

For MP3 tracks:   

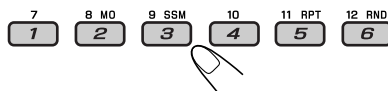
For WMA tracks:  



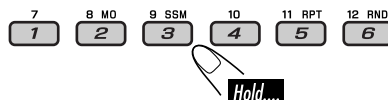
## To locate a particular track (for CD) or folder (for MP3/WMA/USB) directly



To select a number from 01 – 06:

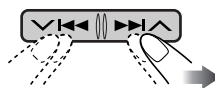


To select a number from 07 – 12:



- To use direct folder access on MP3/WMA/USB, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names—01, 02, 03, and so on.

To select a particular track in a folder (for MP3/WMA/USB):



## Other main functions

### ■ Skipping tracks quickly during play



 **Only possible on JVC MP3-compatible CD changer**

- For MP3/WMA/USB, you can skip tracks within the same folder.

Ex.: To select track 32 while playing a track whose number is a single digit (1 to 9)



Continued on the next page

2



Each time you press the button, you can skip 10 tracks.

- After the last track, the first track will be selected and vice versa.

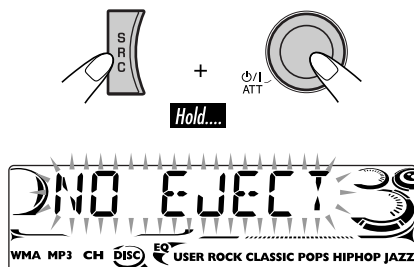
3



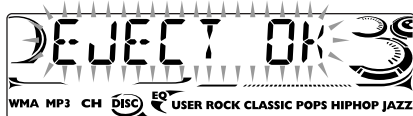
## Prohibiting disc ejection



You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.



## Changing the display information



### While playing an audio CD or a CD Text

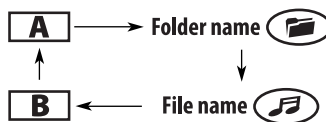


### While playing an MP3/WMA\*2 disc or a USB memory

- When “TAG DISP” is set to “TAG ON” (see page 16)



- When “TAG DISP” is set to “TAG OFF”



**A** : Clock with the current track number

**B** : Elapsed playing time with the current track number

\*1 If the current disc is an audio CD, “NO NAME” appears.

\*2 Only for the built-in CD player and external USB memory.

\*3 If an MP3/WMA file does not have Tag information, folder name and file name appear. In this case, the TAG indicator will not light up.

## Selecting the playback modes

You can use only one of the following playback modes at a time.



### 2 Select your desired playback mode.

#### ■ Repeat play



Mode	Plays repeatedly
<b>TRK RPT</b>	: The current track.
<b>FLDR RPT</b> *1	: All tracks of the current folder.
<b>DISC RPT</b> *2	: All tracks of the current disc.
<b>RPT OFF</b>	: Cancels.

#### ■ Random play



Mode	Plays at random
<b>FLDR RND</b> *1	: All tracks of the current folder, then tracks of the next folder and so on.
<b>DISC RND</b>	: All tracks of the current disc or USB memory.
<b>MAG RND</b> *2	: All tracks of the inserted discs.
<b>RND OFF</b>	: Cancels.

\*1 Only while playing a media (MP3/WMA/USB).

\*2 Only while playing discs in the CD changer.

## Sound adjustments

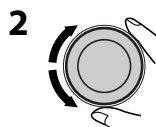
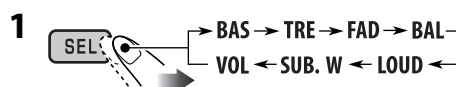
You can select a preset sound mode suitable to the music genre (C-EQ: custom equalizer).



Preset values	BAS (bass)	TRE (treble)	LOUD (loudness)
<b>USER</b> (Flat sound)	00	00	OFF
<b>ROCK</b> (Rock or disco music)	+03	+01	ON
<b>CLASSIC</b> (Classical music)	+01	-02	OFF
<b>POPS</b> (Light music)	+04	+01	OFF
<b>HIP HOP</b> (Funk or rap music)	+02	00	ON
<b>JAZZ</b> (Jazz music)	+02	+03	OFF

## Adjusting the sound

You can adjust the sound characteristics to your preference.



Indication pattern changes as you adjust the level.



Ex.: When "TRE" is selected

Continued on the next page

## Indication, [Range]

**BAS**\*<sup>1</sup> (bass), [-06 to +06]

Adjust the bass.

**TRE**\*<sup>1</sup> (treble), [-06 to +06]

Adjust the treble.

**FAD**\*<sup>2</sup> (fader), [R06 to F06]

Adjust the front and rear speaker balance.

**BAI**\*<sup>3</sup> (balance), [L06 to R06]

Adjust the left and right speaker balance.

**LOUD**\*<sup>1</sup> (loudness), [LOUD ON or LOUD OFF]

Boost low and high frequencies to produce a well-balanced sound at low volume level.

**SUB. W**\*<sup>4</sup> (subwoofer), [00 to 08]

Adjust the subwoofer output level.

**VOL** (volume), [00 to 30 or 50\*<sup>5</sup>]

Adjust the volume.

\*<sup>1</sup> When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

\*<sup>2</sup> If you are using a two-speaker system, set the fader level to "00."

\*<sup>3</sup> This adjustment cannot affect the subwoofer output.

\*<sup>4</sup> This takes effect only when a subwoofer is connected.

\*<sup>5</sup> Depending on the amplifier gain control setting. (See page 16 for details.)

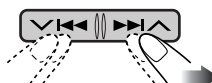
## General settings — PSM

You can change PSM (Preferred Setting Mode) items (except "SID") listed in the table that follows.

1



2 Select a PSM item.



Ex.: When you select "DIMMER"

3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications	Selectable settings, [reference page]
<b>DEMO</b> Display demonstration	<b>DEMO ON</b> : [Initial]; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [8]. <b>DEMO OFF</b> : Cancels.
<b>CLOCK H</b> Hour adjustment	<b>1 – 12</b> , [8] [Initial: 1 (1:00)]
<b>CLOCK M</b> Minute adjustment	<b>00 – 59</b> , [8] [Initial: 00 (1:00)]
<b>CLK ADJ</b> *1 Clock adjustment	<b>AUTO</b> : [Initial]; The built-in clock is automatically adjusted using the clock data provided via the satellite radio channel. <b>OFF</b> : Cancels.
<b>T-ZONE</b> *1, *2 Time zone	Select your residential area from one of the following time zones for clock adjustment. <b>EASTERN</b> [Initial] ⇄ <b>ATLANTIC</b> ⇄ <b>NEWFOUND</b> ⇄ <b>ALASKA</b> ⇄ <b>PACIFIC</b> ⇄ <b>MOUNTAIN</b> ⇄ <b>CENTRAL</b> ⇄ (back to the beginning)
<b>DST</b> *1, *2 Daylight savings time	Activate this if your residential area is subject to DST. <b>ON</b> : [Initial]; Activates daylight savings time. <b>OFF</b> : Cancels.
<b>SID</b> *3 SIRIUS ID	The 12-digit SIRIUS identification number scrolls on the display 5 seconds after “SID” is selected, [18]. • Press SEL to resume the previous display.
<b>LEVEL</b> Audio level meter	<b>ON</b> : [Initial]; Activates the audio level indicator. <b>OFF</b> : Cancels; sound mode indicator is shown.
<b>DIMMER</b> Dimmer	<b>AUTO</b> : [Initial]; Dims the display when you turn on the headlights. <b>ON</b> : Activates dimmer. <b>OFF</b> : Cancels.
<b>TEL</b> *4 Telephone muting	<b>MUTING 1/MUTING 2</b> : Select either one which mutes the sounds while using a cellular phone. <b>OFF</b> : [Initial]; Cancels. • If CD, CD changer, or USB memory has been selected as the source, playback pauses during telephone muting.
<b>SCROLL</b> *5 Scroll	<b>ONCE</b> : [Initial]; Scrolls the track information once. <b>AUTO</b> : Repeats scrolling (5-second intervals in between). <b>OFF</b> : Cancels. • Pressing DISP for more than one second can scroll the display regardless of the setting.

\*1 Displayed only when SIRIUS Satellite radio or XM Satellite radio is connected.

\*2 Displayed only when “CLK ADJ” is set to “AUTO.”

\*3 Displayed only when SIRIUS Satellite radio is connected.

\*4 Only for KD-AR770.

\*5 Some characters or symbols will not be shown correctly (or will be blanked) on the display.

Continued on the next page

Indications	Selectable settings, [reference page]
<b>WOOFER</b> Subwoofer cutoff frequency	<b>LOW</b> : Frequencies lower than 90 Hz are sent to the subwoofer. <b>MID</b> : [Initial]; Frequencies lower than 135 Hz are sent to the subwoofer. <b>HIGH</b> : Frequencies lower than 180 Hz are sent to the subwoofer.
<b>LINE ADJ</b> * <sub>6</sub> Line input level	<b>VOL 00 – VOL 05</b> : Adjust the line input level properly when an external component is connected to the LINE IN plugs. [Initial: VOL 00]
<b>EXT IN</b> * <sub>7</sub> External input	<b>CHANGER</b> : [Initial]; To use a JVC CD changer, [10], a JVC compatible satellite (SIRIUS/XM) tuner, [18], or an Apple iPod or a JVC D. player, [21]. <b>EXT IN</b> : To use any other external component than the above, [23].
<b>TAG DISP</b> Tag display	<b>TAG ON</b> : [Initial]; Shows the Tag information while playing MP3/WMA tracks, [12]. <b>TAG OFF</b> : Cancels.
<b>AMP GAIN</b> Amplifier gain control	You can change the maximum volume level of this unit. <b>LOW PWR</b> : VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from being damaged.) <b>HIGH PWR</b> : [Initial]; VOL 00 – VOL 50 <b>OFF</b> * <sub>1</sub> : Deactivates the built-in amplifier.
<b>IF BAND</b> Intermediate frequency filter	<b>AUTO</b> : [Initial]; Increases the tuner selectivity to reduce interference noises between close stations. (Stereo effect may be lost.) <b>WIDE</b> : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
<b>AREA</b> Tuner channel interval	<b>AREA US</b> : [Initial]; When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz. <b>AREA SA</b> : When using in South American countries where FM interval is 100 kHz. AM interval is set to 10 kHz. <b>AREA EU</b> : When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (100 kHz during auto search).

\*<sub>6</sub> Only for KD-AR770.

\*<sub>7</sub> Displayed only when one of the following sources is selected—FM, AM, CD, USB, or LINE IN (only for KD-AR770).



# Title assignment

You can assign titles to station frequencies and CDs (both in this unit and in the CD changer).

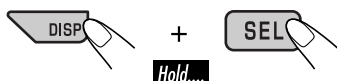
Sources	Maximum number of characters
Station frequencies	Up to 8 characters (up to 30 station frequencies including both FM and AM)
CDs/CD-CH*	Up to 32 characters (up to 30 discs)

\* You cannot assign a title to a CD Text or an MP3/WMA disc or a USB memory.

## 1 Select the sources.

- For FM/AM tuner: Select a station.
- For CDs in this unit: Insert a CD.
- For CDs in the CD changer: Select “CD-CH,” then select a disc number.

## 2 Enter the title assignment mode.



Ex.: When “CD” is selected as the source

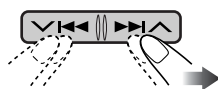
## 3 Assign a title.

### 1 Select a character.



A	B	C	D	E	F	G	H	I	J	K	L	M	N
O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1
2	3	4	5	6	7	8	9	-	/	<	>	space	

### 2 Move to the next (or previous) character position.



### 3 Repeat steps 1 and 2 until you finish entering the title.

## 4 Finish the procedure.



### To erase the entire title

In step 2 on the left...



## Satellite radio operations

This unit is satellite (SAT) Radio Ready—compatible with both SIRIUS Satellite radio and XM Satellite radio.

Before operating your satellite radio:

- For connection, see Installation/Connection Manual (separate volume).
- Refer also to the Instructions supplied with your SIRIUS Satellite radio or XM Satellite radio.
- “SIRIUS” and the SIRIUS dog logo are registered trademarks of SIRIUS Satellite Radio Inc.
- XM and its corresponding logos are registered trademarks of XM Satellite Radio Inc.
- “SAT Radio,” the SAT Radio logo and all related marks are trademarks of SIRIUS Satellite Radio Inc., and XM Satellite Radio, Inc.

### Listening to the satellite radio

Connect either one of the following (separately purchased) to the CD changer jack on the rear of this unit.

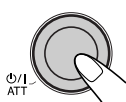
- **JVC SIRIUS radio DLP**—Down Link Processor, for listening to the SIRIUS Satellite radio.
- **XMDirect™ Universal Tuner Box**—Using a JVC Smart Digital Adapter (XMDJVC100: not supplied), for listening to the XM Satellite radio.

GCI (Global Control Information) update:

- If channels are updated after subscription, updating starts automatically.  
“UPDATING” flashes and no sound can be heard.
- Update takes a few minutes to complete.
- During update, you cannot operate your satellite radio.

### Activate your SIRIUS subscription after connection:

1



2



JVC DLP starts updating all the SIRIUS channels.

Once completed, JVC DLP tunes in to the preset channel, CH184.

3 Check your SIRIUS ID, see page 15.

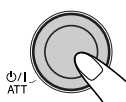
4 Contact SIRIUS on the internet at <http://activate.siriusradio.com/> to activate your subscription, or you can call SIRIUS toll-free at 1-888-539-SIRIUS (7474).

“SUB UPDT PRESS ANY KEY” scrolls on the display once subscription has been completed.

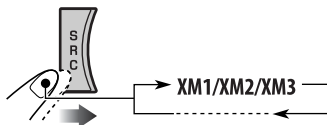
### Activate your XM subscription after connection:

- Only Channel 0, 1, and 247 are available before activation.

1



2





XMDirect™ Universal Tuner Box starts updating all the XM channels. “Channel 1” is tuned in automatically.

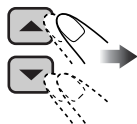
3 Check your XM Satellite radio ID labelled on the casing of the XMDirect™ Universal Tuner Box, or tune in to “Channel 0” (see page 20).

- 4 **Contact XM Satellite radio on the internet at <<http://xmradio.com/activation/>> to activate your subscription, or you can call 1-800-XM-RADIO (1-800-967-2346).** Once completed, the unit tunes in to one of the available channels (Channel 4 or higher).

## Listening to the SIRIUS Satellite radio

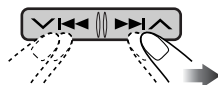
- 1 
- 2 

### 3 Select a category.



You can tune in to all the channels of every category by selecting "ALL."  
Selecting a particular category (SPORTS, ENTERTAINMENT, etc.) allows you to enjoy only the channels from the selected category.



### 4 Select a channel for listening.



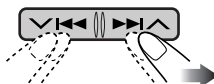
Holding the button changes the channels rapidly.

- When changing the category or channel, invalid and unsubscribed channels are skipped.

## Listening to the XM Satellite radio

- 1 
- 2 

### 3 Select a channel for listening.



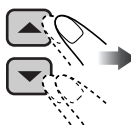
Holding the button changes the channels rapidly.

## Searching for category/channel

You can search for programs by category (Category Search) or channel number (Channel Search).

- **In Category Search**, you can tune in to the channels of the selected category. Category Search begins from the currently selected channel. The selected channel number flashes on the display.
- **In Channel Search**, you can tune in to all channels (including non-categorised channels).

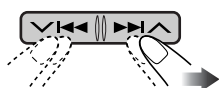
### 1 Select a category (Category Search).



- For Channel Search, skips this step.

*Continued on the next page*

## 2 Select a channel for listening.



Current channel number



Ex.: When you select "COUNTRY" for Category Search

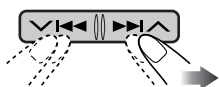
If no operation is done for about 15 seconds, Category Search is canceled.

In Channel Search, channel name and channel number appear on the display during search.

- While searching, invalid and unsubscribed channels are skipped.

## ■ Checking the XM Satellite radio ID

While selecting "XM1," "XM2," or "XM3," select "Channel 0."



The display alternately shows "RADIO ID" and the 8-digit (alphanumeric) ID number.

To cancel the ID number display, select any channel other than "Channel 0."

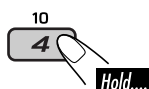
## Storing channels in memory

You can preset six channels for each band.

Ex.: Storing a channel into preset number 4.

### 1 Tune in to a channel you want.

2



Preset number flashes for a while.



## Listening to a preset channel

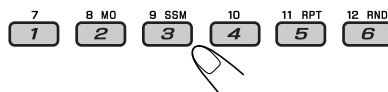
### 1 Select either SIRIUS Satellite radio or XM Satellite radio.



2



### 3 Select the preset channel (1 – 6) you want.



## To change the display information while listening to a channel



Clock → Category name → Channel name → Artist name → Composer name\* → Song/program name/ title → (back to the beginning)

\* Only for SIRIUS Satellite radio.

# iPod®/D. player operations

This unit is ready for operating an Apple iPod or a JVC D. player from the control panel.

Before operating your iPod or D. player:  
Connect either one of the following (separately purchased) to the CD changer jack on the rear of this unit.

- **Interface adapter for iPod®**—KS-PD100 for controlling an iPod.
- **D. player interface adapter**—KS-PD500 for controlling a D. player.

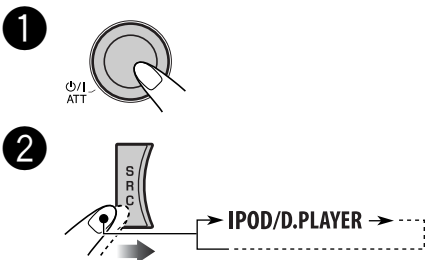
- For connection, see Installation/Connection Manual (separate volume).
- For details, refer also to the manual supplied with the interface adapter.

## Caution:

Make sure to turn off this unit or turn off the vehicle's ignition switch before connecting or disconnecting the iPod or D. player.

## Preparations:

Make sure "CHANGER" is selected for the external input setting, see page 16.



Playback starts automatically from where it has been paused\*<sup>1</sup> or stopped\*<sup>2</sup> previously.

- 3 Adjust the volume.



- 4 Adjust the sound as you want. (See pages 13 and 14.)

- Make sure the equalizer on the iPod or D. player is deactivated.

<b>To pause*<sup>1</sup> or stop*<sup>2</sup> playback</b> To resume playback, press it again.	
<b>To fast-forward or reverse the track</b>	
<b>To go to the next or previous tracks</b>	

\*<sup>1</sup> For iPod

\*<sup>2</sup> For D. player

## Selecting a track from the menu

### 1 Enter the main menu.

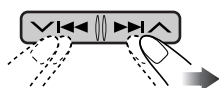


Now the ▲/▼/▽/◀/▶/▶▶/▲ buttons work as the menu selecting buttons\*1.

\*1 The menu selecting mode will be canceled:

- If no operations are done for about 5 seconds.
- When you confirm the selection of a track.

### 2 Select the desired menu.



#### For iPod:

PLAYLIST ↔ ARTISTS ↔ ALBUMS ↔ SONGS  
↔ GENRES ↔ COMPOSER ↔ (back to the beginning)

#### For D. player:

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ GENRE  
↔ TRACK ↔ (back to the beginning)

### 3 Confirm the selection.



To move back to the previous menu, press ▲.

- If a track is selected, playback starts automatically.
- If the selected item has another layer, you will enter the layer. Repeat steps 2 and 3 until the desired track is played.
- Holding ▼/◀/▶/▶▶/▲ can skip 10 items at a time.

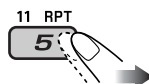
## Selecting the playback modes

### 1



### 2 Select your desired playback mode.

#### ■ Repeat play



#### ONE RPT (RPT)

Functions the same as “Repeat One” of the iPod or “Repeat Mode → One” for the D. player.

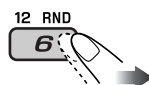
#### ALL RPT (RPT)

Functions the same as “Repeat All” of the iPod or “Repeat Mode → All” for the D. player.

#### RPT OFF

Cancels.

#### ■ Random play



#### ALBM RND\*2 (RND)

Functions the same as “Shuffle Albums” of the iPod.

#### SONG RND/RND ON (RND)

Functions the same as “Shuffle Songs” of the iPod or “Random Play → On” of the D. player.

#### RND OFF

Cancels.

\*2 For iPod: Only if you select “ALL” in “ALBUMS” of the main “MENU.”

## To check other information while listening to an iPod or a D. player

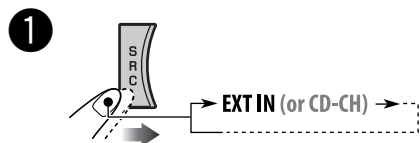


## Other external component operations

You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied).

- For connection, see Installation/Connection Manual (separate volume).

For listening to the USB memory, see pages 10 – 13; For Satellite radio, iPod, or D. player, see pages 18 – 22.



If “EXT IN” does not appear, see page 16 and select the external input (“EXT IN”).

**2 Turn on the connected component and start playing the source.**

**3 Adjust the volume.**



**4 Adjust the sound as you want. (See pages 13 and 14.)**

### To check other information while listening to an external component



## More about this unit

### Basic operations

#### Turning on the power

- By pressing SRC on the unit, you can also turn on the power. If the source is ready, playback also starts.

#### Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

### Tuner operations

#### Storing stations in memory

- During SSM search...
  - All previously stored stations are erased and stations are stored newly.
  - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, the previously preset station is erased when a new station is stored in the same preset number.

### Disc operations

#### Caution for DualDisc playback

- The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

### General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA formats.

*Continued on the next page*

## **Inserting a disc**

- When a disc is inserted upside down, “PLEASE” and “EJECT” appear alternately on the display. Press ▲ to eject the disc.
- Do not insert 8 cm (3-3/16") discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

## **Playing a disc**

- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

## **Playing a CD-R or CD-RW**

- Use only “finalized” CD-Rs or CD-RWs.
- This unit can play back only files of the same type which are first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
  - Discs are dirty or scratched.
  - Moisture condensation occurs on the lens inside the unit.
  - The pickup lens inside the unit is dirty.
  - CD-R/CD-RW on which the files are written with “Packet Write” method.
  - There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  - Discs with stickers, labels, or a protective seal stuck to the surface.
  - Discs on which labels can be directly printed by an ink jet printer.
 Using these discs under high temperatures or high humidities may cause malfunctions or damage to the unit.

## **Playing an MP3/WMA disc**

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  - Bit rate: 8 kbps — 320 kbps
  - Sampling frequency:
    - 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    - 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
  - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  - ISO 9660 Level 1: up to 12 characters
  - ISO 9660 Level 2: up to 31 characters
  - Romeo\*: up to 128 (72) characters
  - Joliet\*: up to 64 (36) characters
  - Windows long file name\*: up to 128 (72) characters
- \* *The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.*
- This unit can play back files recorded in VBR (variable bit rate).
 

Files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This unit can recognize a total of 512 files, of 200 folders, and of 8 hierarchies.
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded in an inappropriate format.
  - MP3 files encoded with Layer 1/2.



- WMA files encoded with lossless, professional, and voice format.
- WMA files which are not based upon Windows Media® Audio.
- WMA files copy-protected with DRM.
- Files which have the data such as WAVE, ATAC3, etc.
- The search function works but search speed is not constant.

### **Playing MP3/WMA tracks from a USB memory**

- While playing from a USB memory, the playback order may differ from other players.
- This unit may be unable to play back some USB memories or some files due to their characteristics or recording conditions.
- Depending on the shape of the USB memories and connection ports, some USB memories may not be attached properly or the connection might be loose.
- It is not recommended to use a USB memory wider than 20 mm as it will block you from pressing the **▲** button.
- If the connected USB memory does not have the correct files, “NO FILES” appears and the unit returns to the previous source.
- This unit can show Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can play back MP3/WMA files meeting the conditions below:
  - Bit rate:
    - MP3: 32 kbps — 320 kbps (MPEG-1)  
8 kbps — 160 kbps (MPEG-2/2.5)
    - WMA: 5 kbps — 320 kbps
  - Sampling frequency:
    - MP3: 48 kHz, 44.1 kHz, 32 kHz, (MPEG-1)  
24 kHz, 22.05 kHz, 16 kHz, (MPEG-2)  
12 kHz, 11.025 - 8 kHz, (MPEG-2.5)
    - WMA: 8 kHz — 48 kHz
- This unit can play back MP3 files recorded in VBR (variable bit rate).
- The maximum number of characters for folder and file names is 25 characters; 128 characters for MP3/WMA tag information.
- This unit can recognize a total of 2 500 files and 250 folders (999 files per folder).
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded in an inappropriate format.
  - MP3 files encoded with Layer 1/2.

### **Changing the source**

- If you change the source, playback also stops. Next time you select the same source again, playback starts from where it has been stopped previously.

### **Ejecting a disc**

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc will not play this time.)

### **General settings—PSM**

- “AUTO” setting for “DIMMER” may not work correctly on some vehicles, particularly on those having a control dial for dimming. In this case, change the “DIMMER” setting to any other than “AUTO.”
- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the unit automatically changes the volume level to “VOL 30.”

### **Title assignment**

- If you try to assign titles to more than 30 station frequencies or 30 discs, “NAMEFULL” appears. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you play back the disc from the unit and vice versa.

### **Satellite radio operations**

- You can also connect the JVC SIRIUS radio PnP (Plug and Play), using the JVC SIRIUS radio adapter, KS-U100K (not supplied) to the CD changer jack on the rear. By turning on/off the power of the unit, you can turn on/off the JVC PnP. However, you cannot control it from this unit.
- To know more about SIRIUS Satellite radio or to sign up, visit «<http://www.sirius.com>».
- For the latest channel listings and programming information, or to sign up for XM Satellite radio, visit «<http://www.xmradio.com>».

*Continued on the next page*

## iPod® or D. player operations

- When you turn on this unit, the iPod or D. player is charged through this unit.
- While the iPod or D. player is connected, all operations from the iPod or D. player are disabled. Perform all operations from this unit.
- The text information may not be displayed correctly.
  - Some characters such as accented letters cannot be shown correctly on the display.
  - Depends on the condition of communication between the iPod or D. player and the unit.
- If the text information includes more than 8 characters, it scrolls on the display (see also page 15). This unit can display up to 40 characters.

### Notice:

When operating an iPod or a D. player, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:

**For iPod users:** <<http://www.jvc.co.jp/english/car/support/ks-pd100/index.html>>

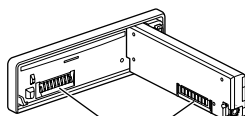
**For D. player users:** <<http://www.jvc.co.jp/english/car/support/ks-pd500/index.html>>

## Maintenance

### How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

### Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

### How to handle discs

**When removing a disc from its case,** press down the center holder of the case and lift the disc out, holding it by the edges.

Center holder



- Always hold the disc by the edges. Do not touch its recording surface.

**When storing a disc into its case,** gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

### To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

### To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

**Do not use the following discs:**

Warped disc



Sticker



Sticker residue



Stick-on label

## Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Remedies/Causes
General	<ul style="list-style-type: none"> <li>Sound cannot be heard from the speakers.</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the volume to the optimum level.</li> <li>Check the cords and connections.</li> </ul>
	<ul style="list-style-type: none"> <li>The unit does not work at all.</li> </ul>	Reset the unit (see page 2).
FM/AM	<ul style="list-style-type: none"> <li>SSM automatic presetting does not work.</li> </ul>	Store stations manually.
	<ul style="list-style-type: none"> <li>Static noise while listening to the radio.</li> </ul>	Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none"> <li>Disc cannot be played back.</li> </ul>	Insert the disc correctly.
	<ul style="list-style-type: none"> <li>CD-R/CD-RW cannot be played back.</li> <li>Tracks on the CD-R/CD-RW cannot be skipped.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a finalized CD-R/CD-RW.</li> <li>Finalize the CD-R/CD-RW with the component which you used for recording.</li> </ul>
	<ul style="list-style-type: none"> <li>Disc can be neither played back nor ejected.</li> </ul>	<ul style="list-style-type: none"> <li>Unlock the disc (see page 12).</li> <li>Eject the disc forcibly (see page 2).</li> </ul>
	<ul style="list-style-type: none"> <li>Disc sound is sometimes interrupted.</li> </ul>	<ul style="list-style-type: none"> <li>Stop playback while driving on rough roads.</li> <li>Change the disc.</li> <li>Check the cords and connections.</li> </ul>
MP3/WMA playback	<ul style="list-style-type: none"> <li>Disc cannot be played back.</li> </ul>	<ul style="list-style-type: none"> <li>Use a disc with MP3/WMA tracks recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.</li> <li>Add the extension code &lt;.mp3&gt; or &lt;.wma&gt; to the file names.</li> </ul>

*Continued on the next page*

	Symptoms	Remedies/Causes
MP3/WMA playback	<ul style="list-style-type: none"> <li>Noise is generated.</li> </ul>	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	<ul style="list-style-type: none"> <li>A longer readout time is required ("CHECK" keeps flashing on the display).</li> </ul>	Do not use too many hierarchies and folders.
	<ul style="list-style-type: none"> <li>Tracks do not play back in the order you have intended them to play.</li> </ul>	Playback order is determined when the files are recorded.
	<ul style="list-style-type: none"> <li>Elapsed playing time is not correct.</li> </ul>	This sometimes occurs while playing. This is caused by how the tracks are recorded on the disc.
	<ul style="list-style-type: none"> <li>"NO FILES" appears on the display.</li> </ul>	Insert a disc that contains MP3/WMA tracks.
	<ul style="list-style-type: none"> <li>Correct characters are not displayed (e.g. album name).</li> </ul>	This unit can only display letters (upper case), numbers, and a limited number of symbols.
USB memory playback	<ul style="list-style-type: none"> <li>Noise is generated.</li> </ul>	The track played back is not an MP3/WMA track. Skip to another file. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	<ul style="list-style-type: none"> <li>"CHECK" keeps flashing on the display.</li> </ul>	<ul style="list-style-type: none"> <li>Readout time varies depending on the USB memory.</li> <li>Do not use too many hierarchy and folders.</li> <li>Turn off the power then on again.</li> </ul>
	<ul style="list-style-type: none"> <li>"NO FILES" flashes on the display.</li> </ul>	Attach a USB memory that contains tracks encoded in an appropriate format.
	<ul style="list-style-type: none"> <li>"NOT SUPP" appears on the display and track skips.</li> </ul>	The track is unplayable.
	<ul style="list-style-type: none"> <li>"READ" and "FAILED" appear alternately on the display, then returns to the previous source.</li> </ul>	<ul style="list-style-type: none"> <li>The attached USB memory may be malfunctioning, or may not have been formatted correctly. The files included in the USB memory are corrupted.</li> <li>Do not pull out or attach the USB memory repeatedly while "CHECK" appears on the display.</li> </ul>
	<ul style="list-style-type: none"> <li>Correct characters are not displayed (e.g. album name).</li> </ul>	This unit can only display letters (upper case), numbers, and a limited number of symbols.
	<ul style="list-style-type: none"> <li>While playing a track, sound is sometimes interrupted.</li> </ul>	MP3/WMA tracks have not been properly copied into the USB memory. Copy MP3/WMA tracks again into the USB memory, and try again.

	Symptoms	Remedies/Causes
CD changer	<ul style="list-style-type: none"> <li>• “NO DISC” appears on the display.</li> </ul>	Insert a disc into the magazine.
	<ul style="list-style-type: none"> <li>• “NO MAG” appears on the display.</li> </ul>	Insert the magazine.
	<ul style="list-style-type: none"> <li>• “RESET 8” appears on the display.</li> </ul>	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	<ul style="list-style-type: none"> <li>• “RESET 1” – “RESET 7” appears on the display.</li> </ul>	Press the reset button of the CD changer.
	<ul style="list-style-type: none"> <li>• The CD changer does not work at all.</li> </ul>	Reset the unit (see page 2).
Satellite radio	<ul style="list-style-type: none"> <li>• “CALL 1-888-539-SIRIUS TO SUBSCRIBE” scrolls on the display while listening to the SIRIUS Satellite radio.</li> </ul>	Starts subscribing SIRIUS Satellite radio (see page 18).
	<ul style="list-style-type: none"> <li>• No sound can be heard. “UPDATING” appears on the display.</li> </ul>	The unit is updating the channel information and it takes a few minutes to complete.
	<ul style="list-style-type: none"> <li>• Either “NO SIGNAL” scrolls or “NO SIGNL” appears on the display.</li> </ul>	Move to an area where signals are stronger.
	<ul style="list-style-type: none"> <li>• Either “NO ANTENNA” scrolls or “ANTENNA” appears on the display.</li> </ul>	Connect the antenna firmly.
	<ul style="list-style-type: none"> <li>• “NO CH” appears on the display for about 5 seconds, then returns to the previous display while listening to the SIRIUS Satellite radio.</li> </ul>	No broadcast on the selected channel. Select another channel or continue listening to the previous channel.
	<ul style="list-style-type: none"> <li>• “NO (information)*” scrolls on the display while listening to the SIRIUS Satellite radio.</li> <li>• “---” appears on the display while listening to the XM Satellite radio.</li> </ul>	No text information for the selected channel.
	<ul style="list-style-type: none"> <li>• “---” appears on the display for about 2 seconds, then returns to the previous channel while listening to the XM Satellite radio.</li> </ul>	Selected channel is no longer available or is unauthorized. Select another channel or continue listening to the previous channel.

\* NO CATEGORY, NO ARTIST, NO COMPOSER, and NO SONG/PROGRAM

*Continued on the next page*

	Symptoms	Remedies/Causes
Satellite radio	<ul style="list-style-type: none"> <li>• “OFF AIR” appears on the display while listening to the XM Satellite radio.</li> </ul>	Selected channel is not broadcasting at this time. Select another channel or continue listening to the previous channel.
	<ul style="list-style-type: none"> <li>• “LOADING” appears on the display while listening to the XM Satellite radio.</li> </ul>	The unit is loading the channel information and audio. Text information are temporarily unavailable.
	<ul style="list-style-type: none"> <li>• “RESET 8” appears on the display.</li> <li>• Satellite radio does not work at all.</li> </ul>	Reconnect this unit and the satellite radio correctly and reset this unit.
iPod/D. player playback	<ul style="list-style-type: none"> <li>• The iPod or D. player does not turn on or does not work.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the connecting cable and its connection.</li> <li>• Update the firmware version.</li> <li>• Change the battery.</li> </ul>
	<ul style="list-style-type: none"> <li>• Buttons do not work as intended.</li> </ul>	The functions of the buttons have been changed. Press MODE before performing the operation.
	<ul style="list-style-type: none"> <li>• The sound is distorted.</li> </ul>	Deactivate the equalizer either on the unit or the iPod/D. player.
	<ul style="list-style-type: none"> <li>• “NO IPOD” or “NO DP” appears on the display.</li> </ul>	Check the connecting cable and its connection.
	<ul style="list-style-type: none"> <li>• Playback stops.</li> </ul>	The headphones are disconnected during playback. Restart the playback operation using the control panel (see page 21).
	<ul style="list-style-type: none"> <li>• No sound can be heard when connecting an iPod nano.</li> </ul>	Disconnect the headphones from the iPod nano.
	<ul style="list-style-type: none"> <li>• No sound can be heard.</li> <li>• “ERROR 01” appears on the display when connecting a D. player.</li> </ul>	Disconnect the adapter from the D. player. Then, connect it again.
	<ul style="list-style-type: none"> <li>• “NO FILES” or “NO TRACK” appears on the display.</li> </ul>	No tracks are stored. Import tracks to the iPod or D. player.
	<ul style="list-style-type: none"> <li>• “RESET 1” – “RESET 7” appears on the display.</li> </ul>	Disconnect the adapter from both the unit and iPod/D. player. Then, connect it again.
	<ul style="list-style-type: none"> <li>• “RESET 8” appears on the display.</li> </ul>	Check the connection between the adapter and this unit.
	<ul style="list-style-type: none"> <li>• The iPod’s or D. player’s controls do not work after disconnecting from this unit.</li> </ul>	Reset the iPod or D. player.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

# Specifications

## AUDIO AMPLIFIER SECTION

### Power Output:

20 W RMS  $\times$  4 Channels at  
4  $\Omega$  and  $\leq$  1% THD+N

### Signal to Noise Ratio:

80 dBA (reference: 1 W into 4  $\Omega$ )



Load Impedance: 4  $\Omega$  (4  $\Omega$  to 8  $\Omega$  allowance)

Tone Control Range:

Bass:  $\pm$ 10 dB at 100 Hz

Treble:  $\pm$ 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Line-Out Level/Impedance:

KD-AR770: 4.0 V / 20 k $\Omega$  load (full scale)

KD-G720: 2.5 V / 20 k $\Omega$  load (full scale)

Output Impedance: 1 k $\Omega$

Subwoofer-Out Level/Impedance:

2.0 V / 20 k $\Omega$  load (full scale)

Other Terminals:

CD changer

LINE IN plugs (only for KD-AR770)

## TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 107.9 MHz

(with channel interval set to 100 kHz  
or 200 kHz)

87.5 MHz to 108.0 MHz

(with channel interval set to 50 kHz)

AM: 530 kHz to 1 710 kHz

(with channel interval set to 10 kHz)

531 kHz to 1 602 kHz

(with channel interval set to 9 kHz)

### [FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0  $\mu$ V/75  $\Omega$ )

50 dB Quieting Sensitivity:

16.3 dBf (1.8  $\mu$ V/75  $\Omega$ )

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

### [AM Tuner]

Sensitivity: 20  $\mu$ V

Selectivity: 35 dB

## CD PLAYER/USB MEMORY SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical  
pickup (semiconductor laser)

Number of Channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

MP3 Decoding Format:

MPEG1/2 Audio Layer 3

Max. Bit Rate: 320 kbps

WMA (Windows Media® Audio) Decoding  
Format:

Max. Bit Rate: 192 kbps

Playable USB memory:

Format: FAT 12/16/32

Storage: Less than 4 GB (1 partition type)

Playable Audio Format: MP3/WMA

Max. Current: Less than 500 mA

## GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C (32°F to 104°F)

Dimensions (W  $\times$  H  $\times$  D):

Installation Size (approx.):

182 mm  $\times$  52 mm  $\times$  152 mm

(7-3/16"  $\times$  2-1/16"  $\times$  6")

Panel Size (approx.):

188 mm  $\times$  58 mm  $\times$  11 mm

(7-7/16"  $\times$  2-5/16"  $\times$  7/16")

Mass (approx.):

1.4 kg (3.1 lbs) (excluding accessories)

*Design and specifications are subject to change  
without notice.*

If a kit is necessary for your car, consult your  
telephone directory for the nearest car audio  
specialty shop.



**Having TROUBLE with operation?  
Please reset your unit**

**Refer to page of How to reset your unit**

**Still having trouble??**

**USA ONLY**

**Call 1-800-252-5722**

**<http://www.jvc.com>**

**We can help you!**

**JVC**



EN, SP, FR

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1205DTSMDTJEIN



ENGLISH

BEFORE ELECTRICAL CONNECTIONS

The first and most important step in installation is to identify the wires inside the car you need to use.  
If you are not sure what wires are used for what purposes inside the car, read this sheet carefully.

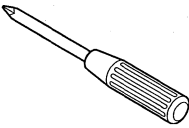
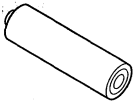
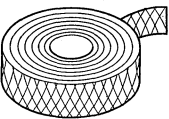
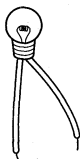
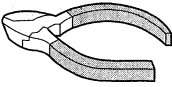
What Leads Are inside the Car?

You need to identify the following leads used in the car (after removing an existing audio receiver or radio, if any, from your car).

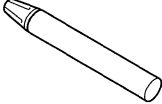
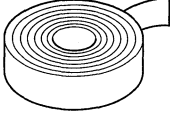
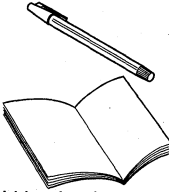
Leads inside the car	Function (and where to connect on the receiver)
① <b>Battery lead</b>	Supplies a continuous power to your receiver even when the ignition key is turned off. This lead provides a continuous power to maintaining the clock and internal memory in the receiver. – Connect this lead to the yellow wire of the receiver.
② <b>Power lead</b>	Supplies power to your receiver when the ignition key is turned to the accessory position (ACC) or to the on position (ON). – Connect this lead to the red wire of the receiver.
③ <b>Speaker leads</b>	Connects to the speakers inside the car. – Connect these leads to the corresponding speaker wires of the receiver.
④ <b>Automatic antenna lead</b>	Supplies power to automatic power antenna if any. – If receiver has the blue-with-white-stripe wire, connect this lead to it.
⑤ <b>Antenna lead</b>	Connects to the car antenna. – Connect to the antenna input terminal of the receiver.

Required Tools

- Tools you must prepare:

		
Screwdriver	Size AA battery	Insulating tape
		
12V DC test bulb	Side-cut pliers	

- Tools you had better prepare:

		
Permanent maker	Masking tape	Writing implements

As you identify each lead, you can label it using masking tape and a permanent marker, and can note the colors of the leads used in the car.  
This will help avoid confusion when making connections later.

- For identifying method by using the above tools, see the reverse side.

ESPAÑOL

ANTES DE LAS CONEXIONES ELECTRICAS

El primer paso de la instalación y el más importante, es identificar cuáles son los cables del automóvil que se deben utilizar.  
Si tiene dudas acerca de los cables que se deben utilizar para cada propósito, lea esta hoja atentamente.

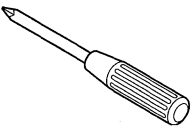
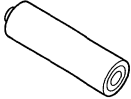
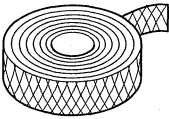
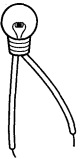
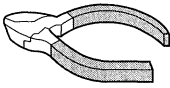
¿Qué conductores hay dentro del automóvil?

Es necesario que sepa identificar los siguientes conductores de su automóvil (tras desmontar el receptor de audio o la radio de su automóvil, si equiparse).

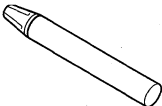
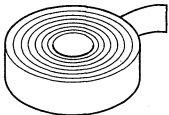

Conductores del interior del automóvil	Función (y punto de conexión en el receptor)
① <b>Conductor de la batería</b>	Suministra continuamente energía a su receptor incluso con el encendido desconectado. Este conductor suministra energía de manera continua para alimentar al reloj y a la memoria interna del receptor. – Conecte este conductor con el cable amarillo del receptor.
② <b>Conductor de alimentación</b>	Suministra energía a su receptor con la llave de contacto en la posición de accesorios (ACC) o en la posición de conexión (ON). – Conecte este conductor con el cable rojo del receptor.
③ <b>Conductores de los altavoces</b>	Efectúan la conexión con los altavoces del automóvil. – Conecte estos conductores con los correspondientes cables de altavoz del receptor.
④ <b>Conductor de antena automática</b>	Suministra energía a la antena motriz automática, si hubiere. – Si el receptor tiene cable azul con rayas blancas, conéctele este conductor.
⑤ <b>Conductor de antena</b>	Conecta con la antena del automóvil. – Conecte este conductor con el terminal de entrada de antena del receptor.

Herramientas requeridas

- Herramientas que debe preparar:

		
Destornillador	Pila de tamaño AA	Cinta aislante
		
Bombilla de prueba de 12V CC	Alicates de corte lateral	

- Herramientas recomendadas:

		
Rotulador	Cinta enmascarante	Utiles para escribir

A medida que vaya identificando cada conductor, podrá ponerle una etiqueta utilizando cinta enmascarante y rotulador, y anotar los colores de los conductores empleados en su automóvil.  
Esto le ayudará a evitar confusiones a la hora de realizar las conexiones.

- Con respecto al método de identificación utilizando las herramientas de arriba, véase al dorso.

FRANÇAIS

AVANT LES CONNEXIONS ÉLECTRIQUES

La première et plus importante étape de l'installation est l'identification des fils de la voiture que vous devez utiliser.  
Si vous ne savez pas quelle est l'utilisation de chaque fil, lisez cette feuille attentivement.

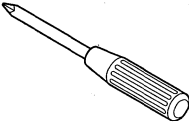
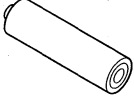
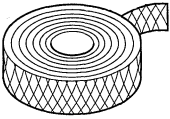
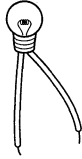
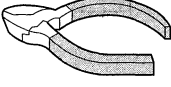
Quels sont les fils de votre voiture?

Vous devez identifier les fils suivants dans votre voiture (après avoir en avoir retiré l'actuel et éventuel autoradio).

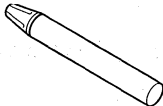
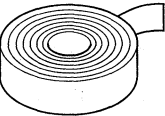

Fils à l'intérieur de la voiture	Fonction (et où connecter ces fils sur l'autoradio)
① <b>Fil de batterie</b>	Alimente en courant continu votre autoradio même quand le contact est coupé. Ce fil offre une alimentation continue qui permet de protéger l'horloge et la mémoire interne de l'autoradio. – Connectez ce fil au fil jaune de l'autoradio.
② <b>Fil d'alimentation</b>	Alimente votre autoradio quand la clé de contact est mise sur la position accessoire (ACC) ou sur la position marche (ON). – Connectez ce fil au fil rouge de l'autoradio.
③ <b>Fils d'enceintes</b>	Connectent les enceintes intérieures de la voiture. – Connectez ces fils aux fils correspondants sur l'autoradio.
④ <b>Fil d'antenne automatique</b>	Alimente l'antenne automatique s'il y en a une. – Si l'autoradio possède un fil bleu à bandes blanches, connectez-y ce fil.
⑤ <b>Fil d'antenne</b>	Connecte l'antenne de la voiture. – Connectez ce fil à la prise d'entrée d'antenne de l'autoradio.

Outils nécessaires

- Outils à préparer:

		
Tournevis	Pile de taille AA	Ruban isolant
		
Ampoule de test 12V CC	Pinces coupantes sur côté	

- Outils dont vous pouvez avoir besoin

		
Marqueur indélébile	Cache ruban	De quoi écrire

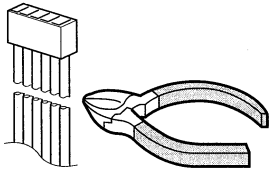
Au fur et à mesure que vous identifiez chaque fil, vous pouvez les étiqueter en utilisant le cache ruban et un marqueur indélébile et noter les couleurs des fils utilisés dans la voiture.  
Cela vous aidera à ne pas vous tromper lorsque vous ferez les connexions plus tard.

- Pour la méthode d'identification en utilisant les outils ci-dessus, reportez-vous au verso de cette feuille.

How to Identify the Leads inside the Car

Before start, make sure ....

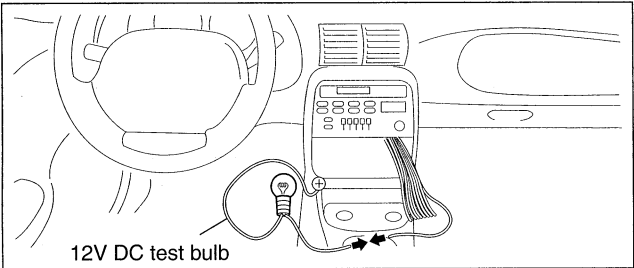
- Check the speaker wiring inside the car first.  
If speaker wiring is not appropriate (see “PRECAUTION on power supply and speaker connection” on the Installation/ Connection Manual), first redo the speaker wiring inside the car.
- Pay much attention to avoid short-circuits. Insulate all exposed leads until you use them. Do not allow any exposed wire not in use to touch the metallic part or chassis of the car, and other exposed wires.
- If necessary, cut off the connector plug from leads coming from the car's battery (leaving the leads as long as possible) so that you can work with individual wires.



① Battery lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the off position (OFF).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light. This wire is the battery lead.



■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a continuous power supply from the battery (usually marked BAT).

② Power lead

■ If your car is pre-wired for the audio system:

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the metallic part or chassis of the car.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the test bulb to light.
- 4 If you find one, turn the ignition key off then on. If the test bulb also turns off and on, it is the power lead. If it does not turn off though you turn off the ignition key, it is the battery lead (see above).

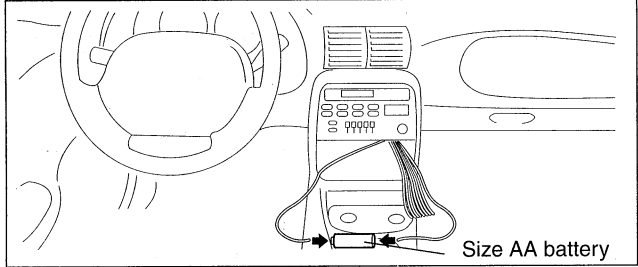
■ If your car is NOT pre-wired for the audio system:

Find the fuse port preparing for a radio (RADIO) or an accessory (ACC) in the fuse block.

③ Speaker leads

Find two wires for each speaker by using a size AA battery as follows.

- 1 Turn the ignition key to the off position (OFF).
- 2 Touch one wire inside the car to one pole (+ or -) of the battery.
- 3 Touch another wire to the other of the battery. If you hear a scraping noise from a speaker, you find a correct combination of the speaker leads for the speaker.
- 4 Repeat steps 1 and 2 until you find all combinations of speaker leads for the other speakers.



④ Automatic antenna lead

If your car is equipped with an automatic power antenna, find the automatic antenna lead.

- 1 Turn the ignition key to the accessory position (ACC).
- 2 Connect one lead of the test bulb to the battery lead (①) you have found.
- 3 Touch the other lead of the test bulb to each wire inside the car.
  - Touch one wire at a time until you find a wire causing the automatic power antenna to extend. This wire is the automatic antenna lead.

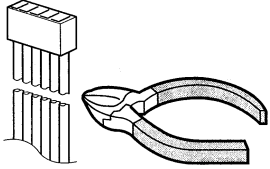
⑤ Antenna lead

This is a thick, black wire with a metal plug. Easily identified by its appearance. (See “A Typical Connections” on the Installation/ Connection Manual.)

Cómo identificar los conductores empleados en el automóvil

Antes de comenzar, asegúrese de ....

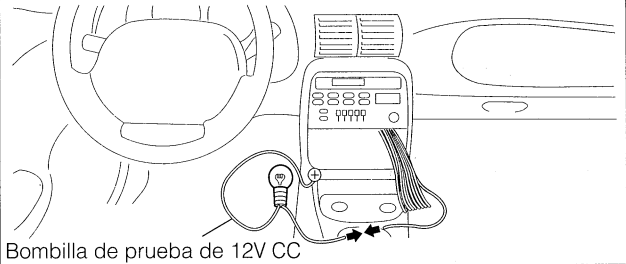
- Comprobar primero el cableado de los altavoces del automóvil.  
Si el cableado de los altavoces no es apropiado (consulte “PRECAUCIONES sobre la fuente de alimentación y la conexión de los altavoces” en el manual de instalación/ conexión), primero deberá rehacer el cableado de los altavoces del interior del automóvil.
- Prestar suma atención para evitar cortocircuitos. Asegurarse de aislar todos los conductores al descubierto hasta el momento de utilizarlos. Ningún cable al descubierto sin utilizar deberá estar en contacto con alguna parte metálica o el chasis del automóvil o con otros cables al descubierto.
- Si es necesario, cortar la clavija de conexión y separarla de los conductores procedentes de la batería del automóvil (dejando los conductores lo más largo posible) de manera que pueda trabajar individualmente con cada cable.



① Conductor de la batería

■ Si su automóvil está precableado para el sistema de audio:

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba. Este cable es el conductor de la batería.



■ Si su automóvil NO está precableado para el sistema de audio:

Localice el puerto de fusible y prepárelo para suministrar continuamente energía desde la batería (normalmente marcado BAT).

② Conductor de alimentación

■ Si su automóvil está precableado para el sistema de audio:

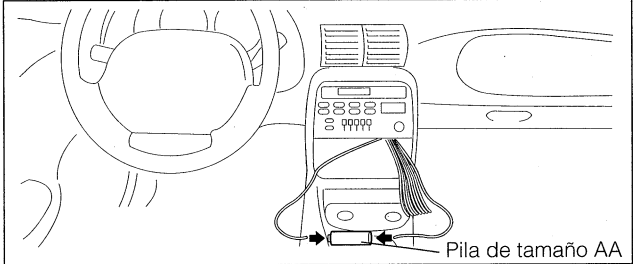
- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con la parte metálica o el chasis del automóvil.
- 3 Con el otro conductor de la bombilla de prueba toque uno por uno los cables del interior del automóvil.
  - Toque los cables de a uno hasta encontrar el que haga iluminar la bombilla de prueba.
- 4 Si lo encuentra, desconecte y vuelva a conectar la llave de contacto. Si la bombilla de prueba también se apaga y se enciende, significa que es el conductor de alimentación. Si la bombilla no se apaga al desconectar la llave de contacto, significa que se trata del conductor de la batería (véase arriba).

■ Si su automóvil NO está precableado para el sistema de audio: Localice el puerto de fusible y prepárelo para la radio (RADIO) o un accesorio (ACC) en el bloque de fusibles.

③ Conductores de los altavoces

Utilizando una pila de tamaño AA, localice dos cables para cada altavoz, de la siguiente manera.

- 1 Gire la llave de contacto a la posición de desconexión (OFF).
- 2 Toque un polo (+ o -) de la pila con uno de los cables del interior del automóvil.
- 3 Toque el otro polo de la pila con otro cable. Si el altavoz produce rechinar, significa que ha encontrado la combinación correcta de conductores para el altavoz.
- 4 Repita los pasos 1 y 2 hasta encontrar todas las combinaciones de conductores para los demás altavoces.



④ Conductor de antena automática

Si su automóvil se encuentra equipado con una antena motriz automática, localice el conductor de la antena automática.

- 1 Gire la llave de contacto a la posición de accesorios (ACC).
- 2 Conecte un conductor de la bombilla de prueba con el conductor de batería (①) localizada previamente.
- 3 Toque cada uno de los cables del interior del automóvil con el otro conductor de la bombilla de prueba.
  - Toque los cables de a uno hasta encontrar el que haga extender la antena motriz automática. Este cable es el conductor de antena automática.

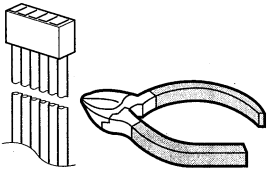
⑤ Conductor de antena

Este es un cable grueso y negro con clavija de metal. Se identifica fácilmente por su apariencia. (Consulte “A Conexiones típicas” en el manual de instalación/conexión.)

Comment identifier les fils de votre voiture

Avant de commencer, veuillez vous assurer des choses suivantes ....

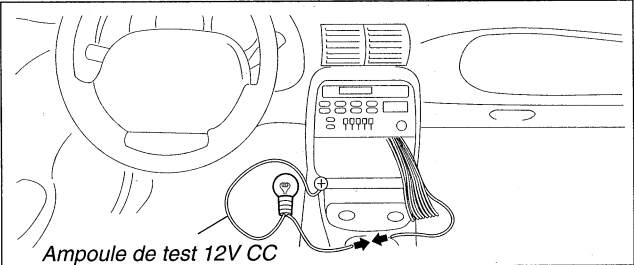
- Vérifiez d'abord le câblage des enceintes de la voiture.  
Si le câblage des enceintes n'est pas correct (voir “PRÉCAUTIONS sur l'alimentation et la connexion des enceintes” dans le manuel d'installation/connexion), refaites d'abord le câblage des enceintes de la voiture.
- Faites attention d'éviter les courts-circuits. Isolez tous les fils à nu jusqu'à ce que vous les utilisiez. Ne laissez aucun fil à nu inutilisé toucher la partie métallique ou le châssis de la voiture ni les autres fils à nu.
- Si nécessaire, coupez la fiche de connexion des fils provenant de la batterie de la voiture (laissez les fils aussi longs que possible) de façon à pouvoir travailler sur un fil particulier.



① Fil de batterie

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position d'arrêt (OFF).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.



■ Si votre voiture ne possède pas de câblage pour système audio:

Trouvez la prise fusible prévue pour une alimentation continue à partir de la batterie (marquée habituellement BAT).

② Fil d'alimentation

■ Si votre voiture possède déjà un câblage pour système audio:

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un fil de l'ampoule de test à une partie métallique ou au châssis de la voiture.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui allume l'ampoule de test. Ce fil est le fil de batterie.
- 4 Une fois que vous avez trouvé un fil, tournez la clé de contact sur la position d'arrêt (OFF) puis de nouveau en position accessoire. Si l'ampoule de test s'éteint et s'allume aussi, c'est le fil d'alimentation. Si elle ne s'éteint pas quand vous mettez la clé de contact en position d'arrêt, c'est le fil de batterie (voir ci-dessus).

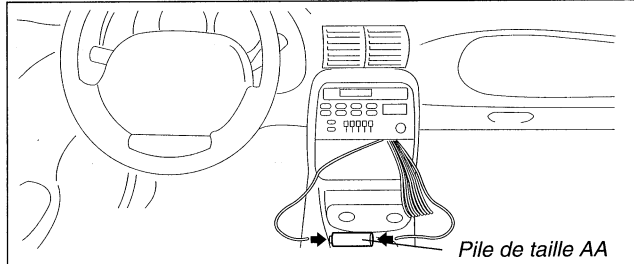
■ Si votre voiture ne possède pas de câblage pour système audio:

Trouvez la prise fusible prévue pour la radio (RADIO) ou pour les accessoires (ACC) (marquée habituellement BAT) dans la boîte à fusibles.

③ Fils d'enceintes

Trouvez deux fils d'enceinte pour chaque enceinte en utilisant la pile AA de la façon suivante.

- 1 Mettez la clé de contact en position d'arrêt (OFF).
- 2 Touchez une des bornes de la pile (+ ou -) avec un des deux fils.
- 3 Touchez l'autre borne de la pile avec le deuxième fil. Vous entendrez des grésillements dans une enceinte et cela vous permettra de trouver les combinaisons correctes des fils d'enceinte.
- 4 Répétez les étapes 1 et 2 jusqu'à ce que vous ayez trouvé toutes les combinaisons de fils de toutes les enceintes.



④ Fil d'antenne automatique

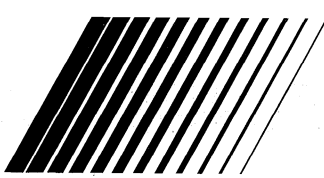
Si votre voiture est équipée d'une antenne électrique automatique, trouvez le fil correspondant.

- 1 Mettez la clé de contact sur la position accessoire (ACC).
- 2 Connectez un des fils de l'ampoule de test au fil de batterie (①) que vous avez trouvé.
- 3 Avec l'autre fil de l'ampoule de test, touchez chaque fil de la voiture.
  - Touchez un fil à la fois jusqu'à ce que vous ayez trouvé celui qui provoque le déploiement de l'antenne. C'est le fil d'antenne automatique.

⑤ Fil d'antenne

C'est un câble noir épais avec une fiche métallique. Elle peut être identifiée facilement par sa forme. (Reportez-vous à “A Connexions typiques” dans le manuel d'installation/connexion.)

JVC



Having TROUBLE with operation?  
Please check this  
Troubleshooting Guide.  
Still having trouble??

USA ONLY

Call 1-800-252-5722

<http://www.jvc.com>

We can help you!

Since the descriptions in this troubleshooting guide have been designated to be applied to JVC's standard CD Receiver, some of the functions and operations described may not be applied exactly to your receiver.

If they cannot be applied exactly, refer also to the Instructions and Installation/Connection manual supplied with your receiver for details on the actual functions and operations, and cope with your troubles properly.

TROUBLESHOOTING GUIDE  
For CD Receiver

Troubleshooting for CD Receiver

SYMPTOMS	CAUSES	REMEDIES
The unit does not turn on.	The power cords are not connected correctly.	Check if the connection is correctly finished, by referring to the Installation/Connection manual.
		Check if the original wiring in the car has been correctly finished, especially on the following terminal connections — Constant 12 volts, ACC (accessory), ground.
	A fuse has blown (in the unit or in the fuse block of the car).	Check if the connection and the original wiring in the car are correct, then replace the fuse. <i>If the fuse blows frequently, consult with your JVC car audio dealer.</i>
	The ground cable is not correctly earthed.	Check if the ground cable connection is correct and intact, by using a tester or other measuring devices. <i>If the ground cable is connected to a painted metallic part, sand off the paint from or connect to an unpainted metallic part.</i>
	Wiring is short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts.
	The car battery is exhausted. (The voltage power is less than 11 volts.)	Have the car battery and electrical system checked so that a proper output voltage (11 to 16 volts) is obtained. <b>CAUTION: NEVER use a 24-volt battery.</b>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No sound comes out of the speakers.	The speaker wiring is not correctly finished.	Check if the speaker wiring is correctly finished, by referring to the Installation/Connection manual.
	Speaker cables are short-circuited.	Check if each cable is not cut or caught in the bracket or shorted by some other metallic parts. <i>To prevent any short-circuit, cover the ends of any unused cable with insulating tape.</i>
	Original speaker wiring in the car has a common ground for both left and right speakers or speaker wiring is earthed to the metallic body or chassis of the car.	Do not use the original speaker wiring in the car. Redo the speaker wiring by referring to the Installation/Connection manual.
	Speaker cable connection or soldering is not intact.	Check if the speaker cable connection is correct and intact, by using a tester or other measuring devices.
	Volume is set to the minimum level.	Adjust the volume to the optimum level. <i>If this does not work, check and adjust the fader and balance settings.</i>
	Power amplifier built in this unit has been deactivated.	Activate the built-in power amplifier by turning on the power amplifier on/off switch. <i>Refer to the Instructions manual.</i>
	<b>When using an external power amplifier:</b> The remote cable is not connected correctly.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD sound is sometimes interrupted.	Used while driving on rough roads. (The unit is subjected to extreme shock.)	Check if the unit can play back a CD normally on a flat road.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If CD sound is not interrupted while playing back another CD, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. <b>CAUTION: NEVER use a cleaner with a detachable brush.</b>
	Interference from the cellular phone.	Keep the phone away from the unit.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
The unit does not operate at all.	Detachable control panel connection is not intact.	Clean the connectors on both detachable control panel and on the main unit, by referring to the Instructions manual.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD is ejected and cannot be played.	CD is inserted upside down.	Insert the CD correctly with the printed surface facing up.
	CD is scratched.	Check if the unit can play back another CD normally. <i>If the unit can play back another CD normally, there is nothing wrong with this unit.</i>
	CD is stained by fingerprints, grease, etc.	Clean CD with a commercially available cleaner.
	Pickup lens inside the unit is stained.	Clean the lens by using a commercially available pickup lens cleaner. <b>CAUTION: NEVER use a cleaner with a detachable brush.</b>
	Moisture may condense on the pickup lens inside the unit.	Eject the CD and leave the unit turned on for a few hours until the moisture evaporates.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
No station can be tuned.	No station uses the tuned frequency.	Tune into the correct station frequency.
	Antenna connection is not correct or intact.	Check if the connection is correct and intact.
	Antenna plug from the car does not fit into the unit.	Use an antenna adaptor. <i>Consult with your JVC car audio dealer with regard to an antenna adaptor.</i>
	Power antenna cannot be extended automatically.	Check if the remote cable connection is correct and intact, by using a tester or other measuring devices.
	Antenna booster is not switched on.	Check if the remote cable is correctly connected to the antenna booster.
	Remote cable is overloaded with a high electric current.	The remote cable can be loaded with up to 200 mA. The device requiring more than 200 mA (i.e. power supply of an external amplifier) should not be connected. <i>When connecting such a device requiring a high electric current, consult with your JVC car audio dealer.</i>
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD-R cannot be played back.	Recording format of the CD-R cannot be treated on this unit.	<i>Consult with the application company from which you purchased the CD-R recording software.</i>
	CD-R, disc itself, cannot be treated on this unit.	<i>Consult with the company making the discs you purchased.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be inserted.	Another CD has already been in the CD compartment.	Eject the CD already inserted, then insert a CD.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD changer does not work at all.	The unit is not connected to the CD changer correctly. (When this is the cause, "R 8" or "RESET 8" appears on the display.)	Connect the unit and the CD changer correctly and press the reset button of the CD changer.
	No power is supplied to the CD changer.	Check if the short pin or power cord is connected correctly to the CD changer.
	Ejection mechanism error. (When this is the cause, "R 1" or "RESET 1" appears on the display.)	Press the reset button of the CD changer.
	Lifter (disc up/down) motor mechanism error. (When this is the cause, "R 2" or "RESET 2" appears on the display.)	Press the reset button of the CD changer.
	Tray (out/in) motor mechanism error. (When this is the cause, "R 3" or "RESET 3" appears on the display.)	Press the reset button of the CD changer.
	Pickup mechanism error (not return to the reset position when ejecting CD). (When this is the cause, "R 4" or "RESET 4" appears on the display.)	Press the reset button of the CD changer.
	Buss protocol error (signal transmission error). (When this is the cause, "R 6" or "RESET 6" appears on the display.)	Press the reset button of the CD changer.
	The microcomputer built in this unit malfunctions due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>

SYMPTOMS	CAUSES	REMEDIES
CD cannot be ejected.	CD ejection is prohibited.	Press and hold the CD and EJECT buttons at the same time for more than 2 seconds.
	CD player malfunctions.	Press and hold the POWER and EJECT buttons at the same time for more than 2 seconds.
	The microcomputer built in this unit is not functioning correctly due to noise, etc.	Press the Reset button, or press and hold the POWER and SEL buttons at the same time for more than 2 seconds to reset the microcomputer. <i>The clock setting and other preset setting such as preset stations will be erased.</i>
	Others.	The unit is damaged. <i>Consult with your JVC car audio dealer.</i>





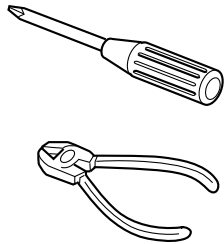
# KD-AR770/KD-G720

## Installation/Connection Manual

## Manual de instalación/conexión

## Manuel d'installation/raccordement

GET0354-002A  
[J]



1205DTSMDTJEIN  
EN, SP, FR

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### ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

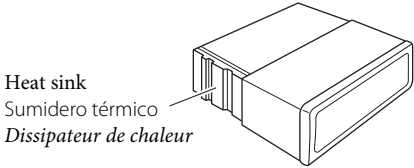
### WARNINGS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

#### Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 16 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



### ESPAÑOL

Esta unidad está diseñada para funcionar con **12 V de CC, con sistemas eléctricos de masa NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

### ADVERTENCIAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad.

- **Asegúrese de volver a conectar a masa esta unidad al chasis del automóvil después de la instalación.**

#### Notas:

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Se recomienda conectar los altavoces con una potencia máxima de más de 50 W (tanto atrás como adelante, con una impedancia de **4 Ω a 8 Ω**). Si la potencia máxima es de menos de 50 W, cambie "AMP GAIN" para evitar daños en los altavoces (consulte la página 16 del MANUAL DE INSTRUCCIONES).
- Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

### FRANÇAIS

Cet appareil est conçu pour fonctionner sur des sources de **courant continu de 12 V à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

### AVERTISSEMENTS

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil.

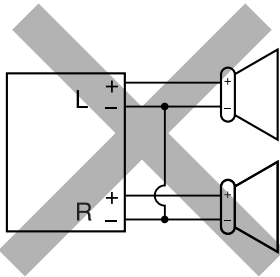
- **Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l'installation.**

#### Remarques:

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Il est recommandé de connecter des enceintes avec une puissance de plus de 50 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre **4 Ω et 8 Ω**). Si la puissance maximum est inférieure à 50 W, changez "AMP GAIN" pour éviter d'endommager vos enceintes (voir page 16 du MANUAL D'INSTRUCTIONS).
- Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.
- Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

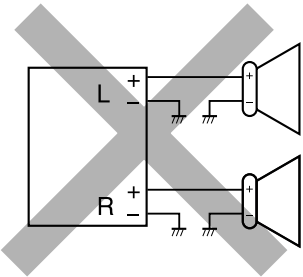
### PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



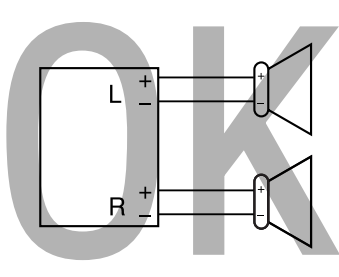
### PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:

- **NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.**
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.



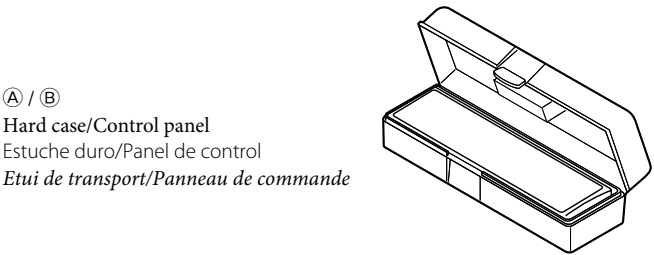
### PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- **NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.**
- AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.



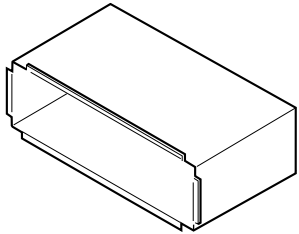
### Parts list for installation and connection

The following parts are provided for this unit. If any item is missing, consult your JVC car audio dealer immediately.

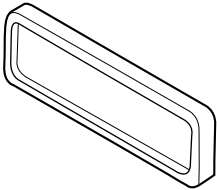


**A / B**  
Hard case/Control panel  
Estuche duro/Panel de control  
Etui de transport/Panneau de commande

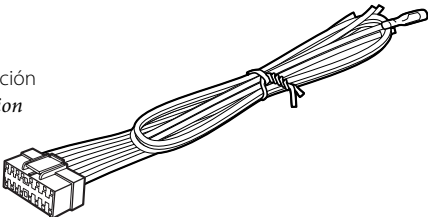
**C**  
Sleeve  
Cubierta  
Manchon



**D**  
Trim plate  
Placa de guarnición  
Plaque d'assemblage



**E**  
Power cord  
Cordón de alimentación  
Cordon d'alimentation



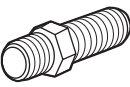
**F**  
Washer (ø5)  
Arandela (ø5)  
Rondelle (ø5)



**G**  
Lock nut (M5)  
Tuerca de seguridad (M5)  
Ecrou d'arrêt (M5)



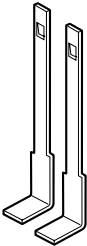
**H**  
Mounting bolt—M5 × 20 mm (M5 × 13/16")  
Perno de montaje—M5 × 20 mm (M5 × 13/16 pulgada)  
Boulon de montage—M5 × 20 mm (M5 × 13/16 pouces)



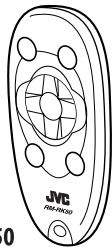
**I**  
Rubber cushion  
Cojín de goma  
Amortisseur en caoutchouc



**J**  
Handles  
Manijas  
Poignées



**K**  
Remote controller  
Control remoto  
Télécommande



RM-RK50

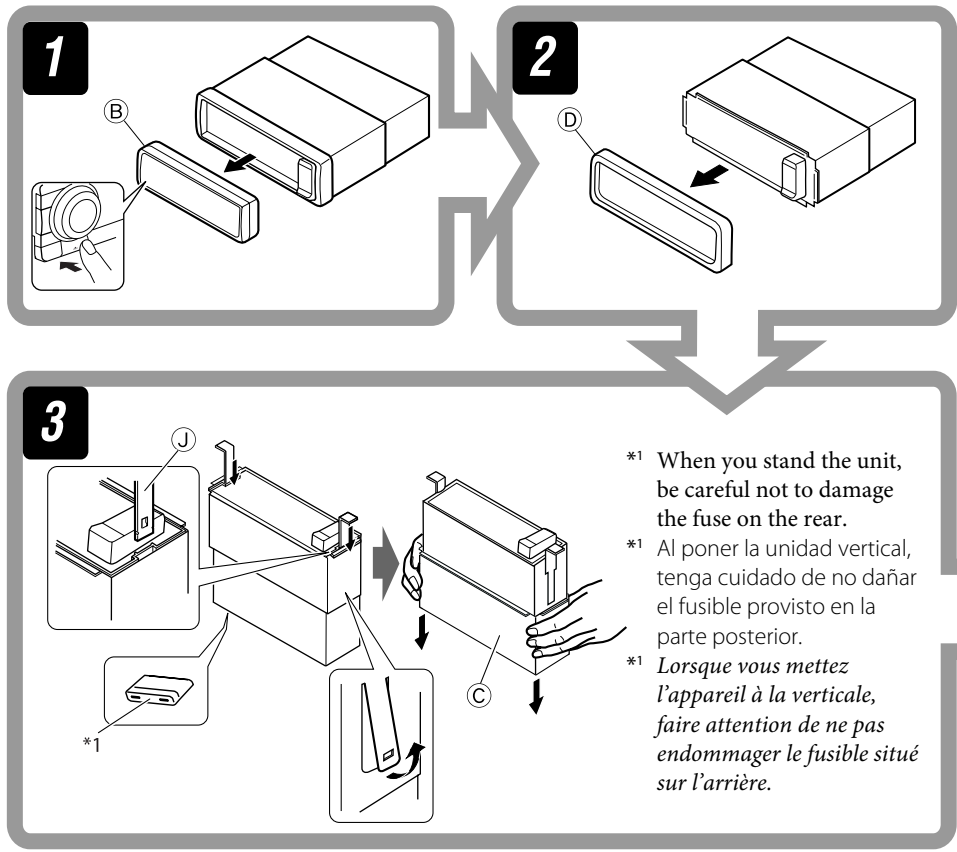
**L**  
Battery  
Pila  
Pile



CR2025

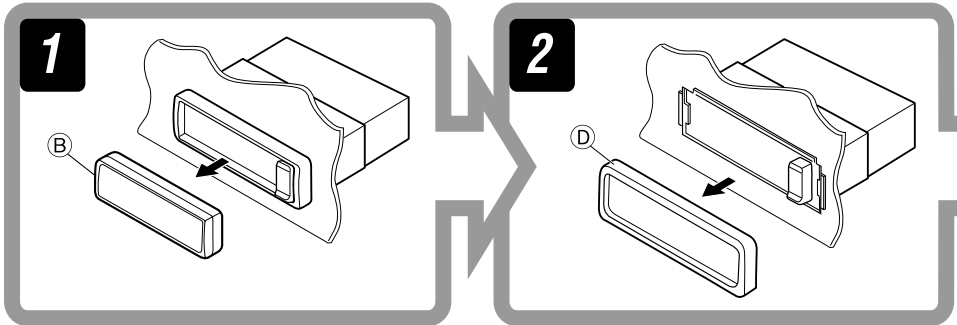
INSTALLATION
(IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.
• If you are not sure how to install this unit correctly, have it installed by a qualified technician.



Removing the unit

Before removing the unit, release the rear section.

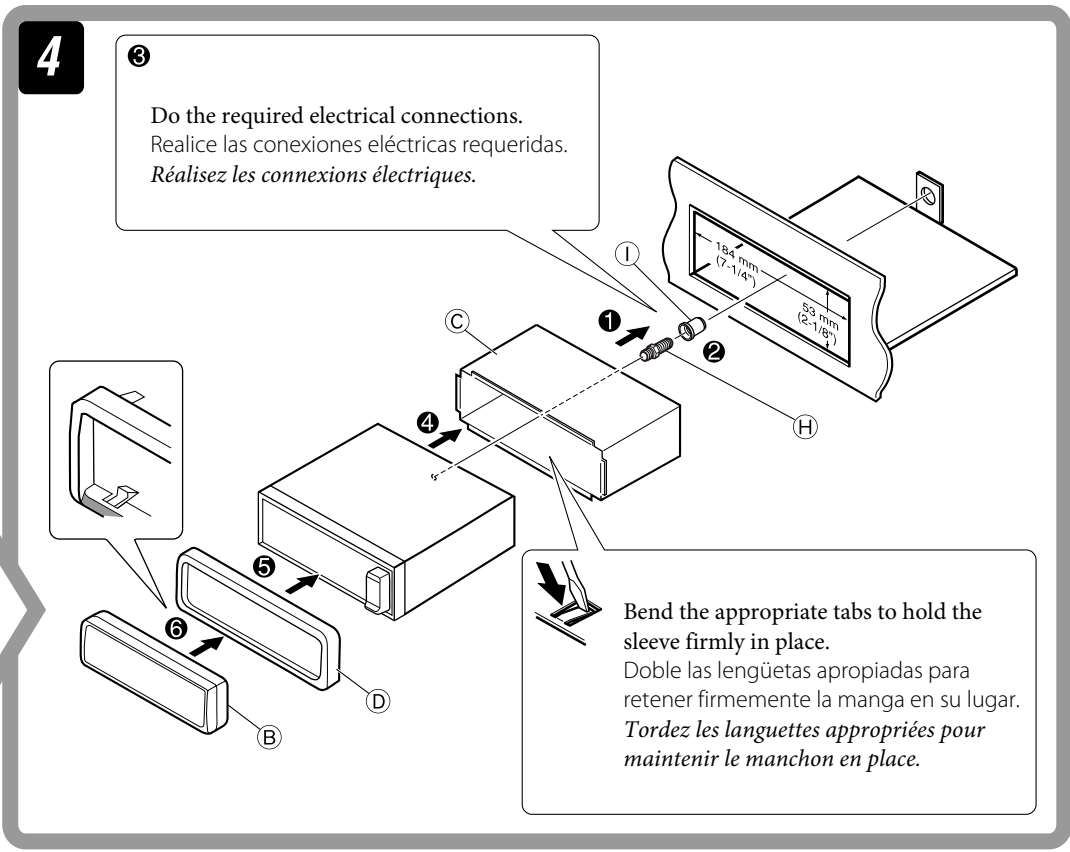


Extracción de la unidad

Antes de extraer la unidad, libere la sección trasera.

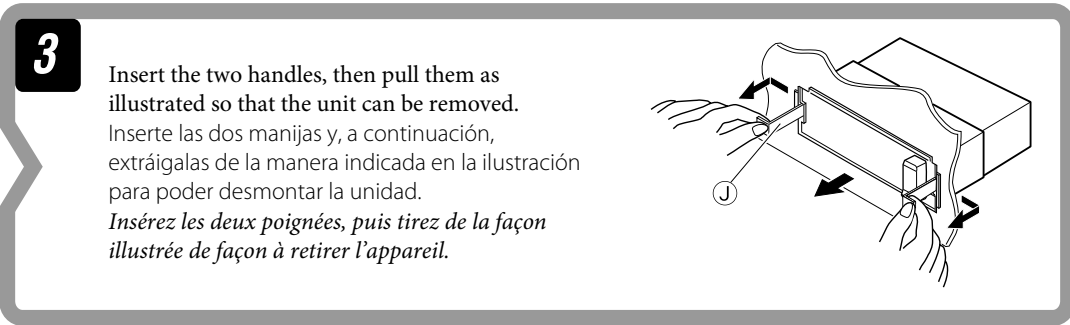
INSTALLATION (MONTAGE
DANS LE TABLEAU DE BORD)

L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.
• Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

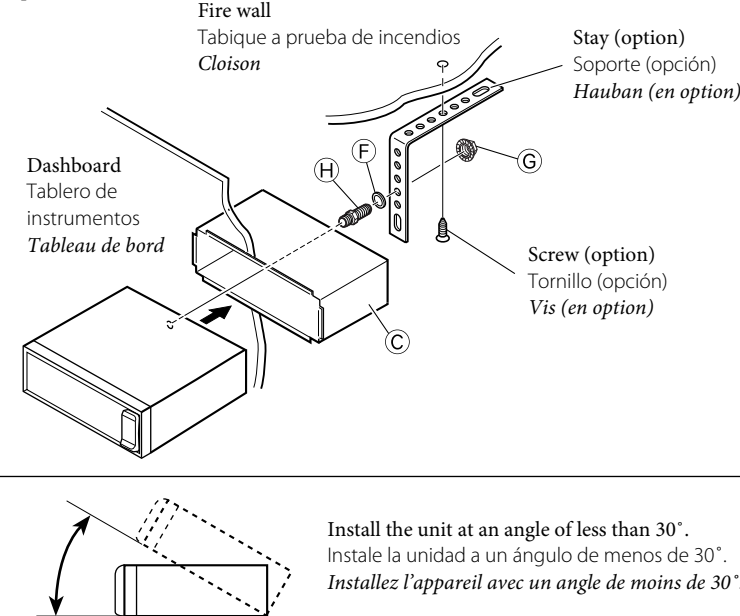


Retrait de l'appareil

Avant de retirer l'appareil, libérer la section arrière.

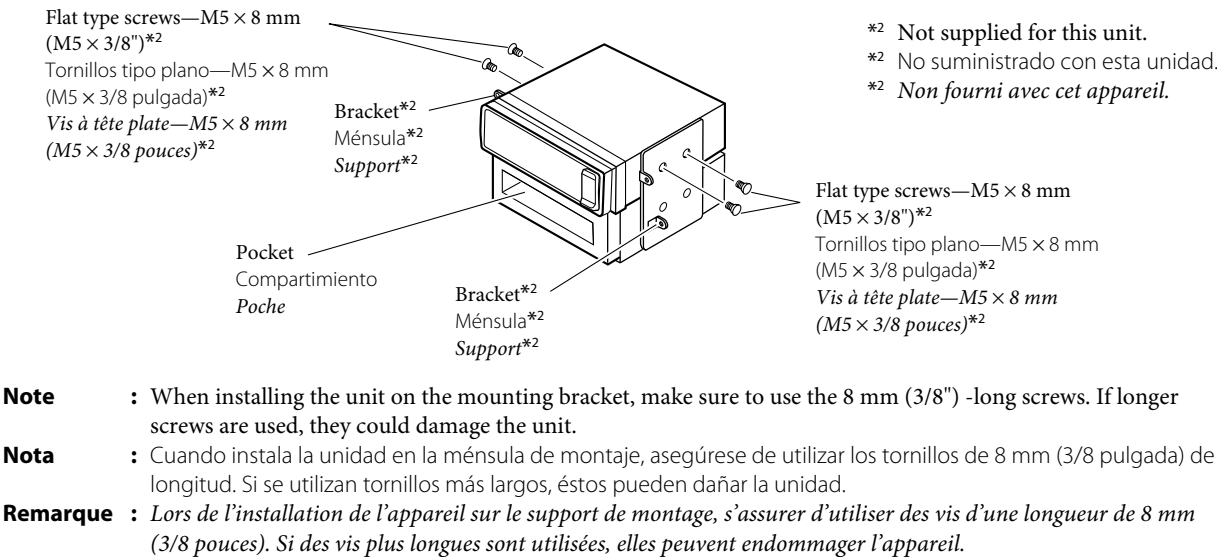


When using the optional stay / Cuando emplea un soporte opcional / Lors de l'utilisation du hauban en option



When installing the unit without using the sleeve / Instalación de la unidad sin utilizar la cubierta / Lors de l'installation de l'appareil scans utiliser de manchon

In a Toyota car for example, first remove the car radio and install the unit in its place.
En un automóvil Toyota, por ejemplo, en primer lugar desmonte el autorradio e instale la unidad en su lugar.
Dans une voiture Toyota, par exemple, retirez d'abord l'autoradio et installez l'appareil à sa place.



TROUBLESHOOTING

- The fuse blows.
\* Are the red and black leads connected correctly?
- Power cannot be turned on.
\* Is the yellow lead connected?
- No sound from the speakers.
\* Is the speaker output lead short-circuited?
- Sound is distorted.
\* Is the speaker output lead grounded?
\* Are the “-” terminals of L and R speakers grounded in common?
- Noise interfere with sounds.
\* Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- Unit becomes hot.
\* Is the speaker output lead grounded?
\* Are the “-” terminals of L and R speakers grounded in common?
- This unit does not work at all.
\* Have you reset your unit?

LOCALIZACION DE AVERIAS

- El fusible se quema.
\* ¿Están los conductores rojo y negro correctamente conectados?
- No es posible conectar la alimentación.
\* ¿Está el cable amarillo conectado?
- No sale sonido de los altavoces.
\* ¿Está el cable de salida del altavoz cortocircuitado?
- El sonido presenta distorsión.
\* ¿Está el cable de salida del altavoz conectado a masa?
\* ¿Están los terminales “-” de los altavoces L y R conectados a una masa común?
- Perturbación de ruido.
\* ¿El terminal de tierra trasero está conectado al chasis del automóvil utilizando los cordones más corto y más grueso?
- La unidad se calienta.
\* ¿Está el cable de salida del altavoz conectado a masa?
\* ¿Están los terminales “-” de los altavoces L y R conectados a una masa común?
- Este receptor no funciona en absoluto.
\* ¿Reinicializó el receptor?

EN CAS DE DIFFICULTES

- Le fusible saute.
\* Les fils rouge et noir sont-ils racordés correctement?
- L'appareil ne peut pas être mise sous tension.
\* Le fil jaune est-elle raccordée?
- Pas de son des enceintes.
\* Le fil de sortie d'enceinte est-il court-circuité?
- Le son est déformé.
\* Le fil de sortie d'enceinte est-il à la masse?
\* Les bornes “-” des enceintes gauche et droit sont-elles mises ensemble à la masse?
- Interférence avec les sons.
\* La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?
- L'appareil devient chaud.
\* Le fil de sortie d'enceinte est-il à la masse?
\* Les bornes “-” des enceintes gauche et droit sont-elles mises ensemble à la masse?
- Cet appareil ne fonctionne pas du tout.
\* Avez-vous réinitialisé votre appareil?



## ELECTRICAL CONNECTIONS

## CONEXIONES ELECTRICAS

## RACCORDEMENTS ELECTRIQUES

**A Typical connections / Conexiones típicas / Raccordements typiques**

**Before connecting:** Check the wiring in the vehicle carefully.

Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.

**Antes de la conexión:** Verifique atentamente el conexionado del vehículo. Una conexión incorrecta podría producir daños graves en la unidad.

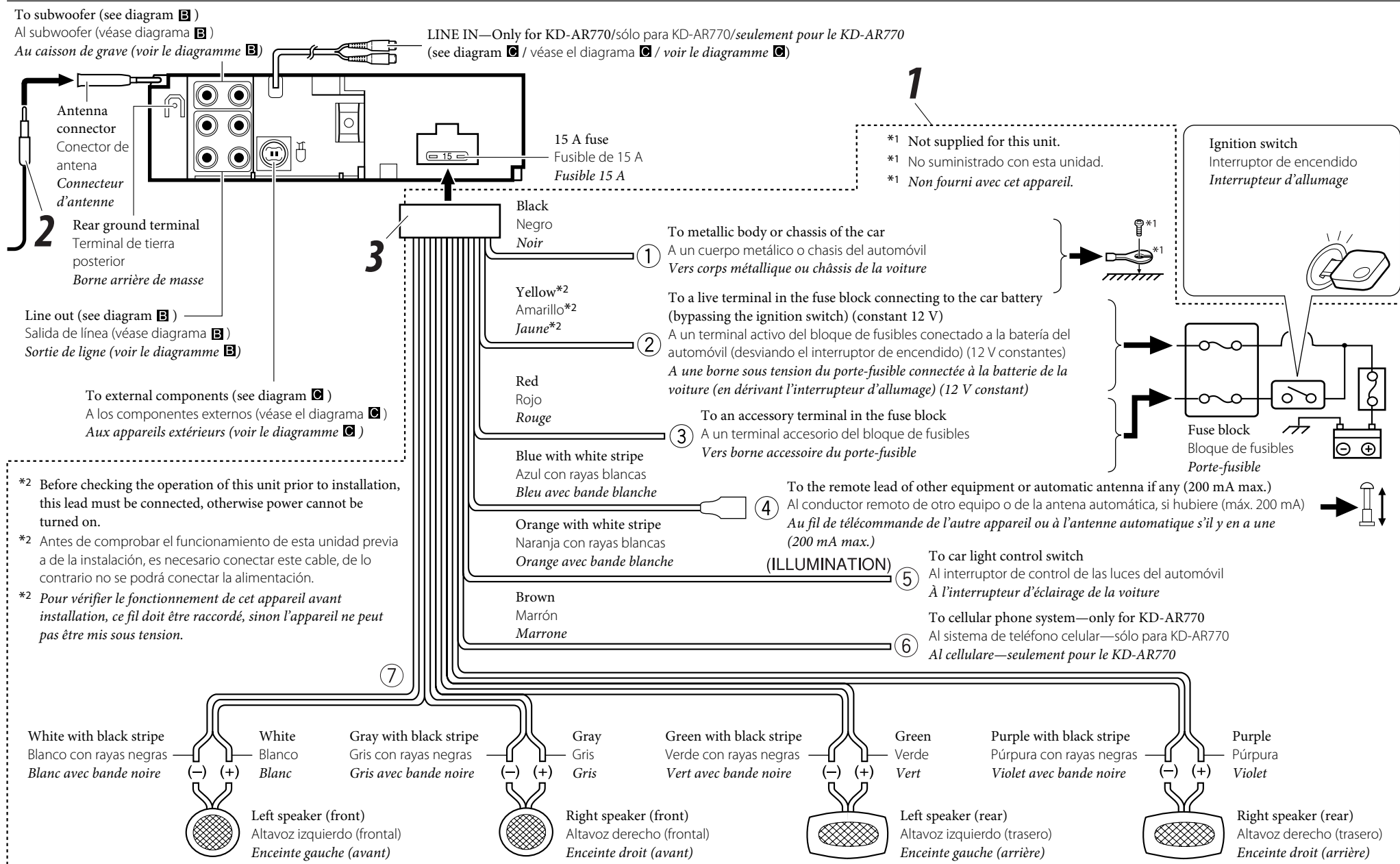
Los cordones del cable de alimentación y los del conector procedentes de la carrocería del automóvil podrían ser de diferentes en color.

- 1 Conecte los conductores de color del cable de alimentación en el orden especificado en la ilustración de abajo.
- 2 Conecte el cable de antena.
- 3 Por último, conecte el cable de alimentación a la unidad.

**Avant de commencer la connexion:** Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.

Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

- 1 Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.
- 2 Connectez le cordon d'antenne.
- 3 Finalement, connectez le faisceau de fils à l'appareil.

**B Connecting the external amplifiers and/or subwoofer / Conexión de los amplificadores y/o subwoofer externos / Connexion d'amplificateurs extérieurs et/ou d'un caisson de grave**

You can connect amplifiers to upgrade your car stereo system.

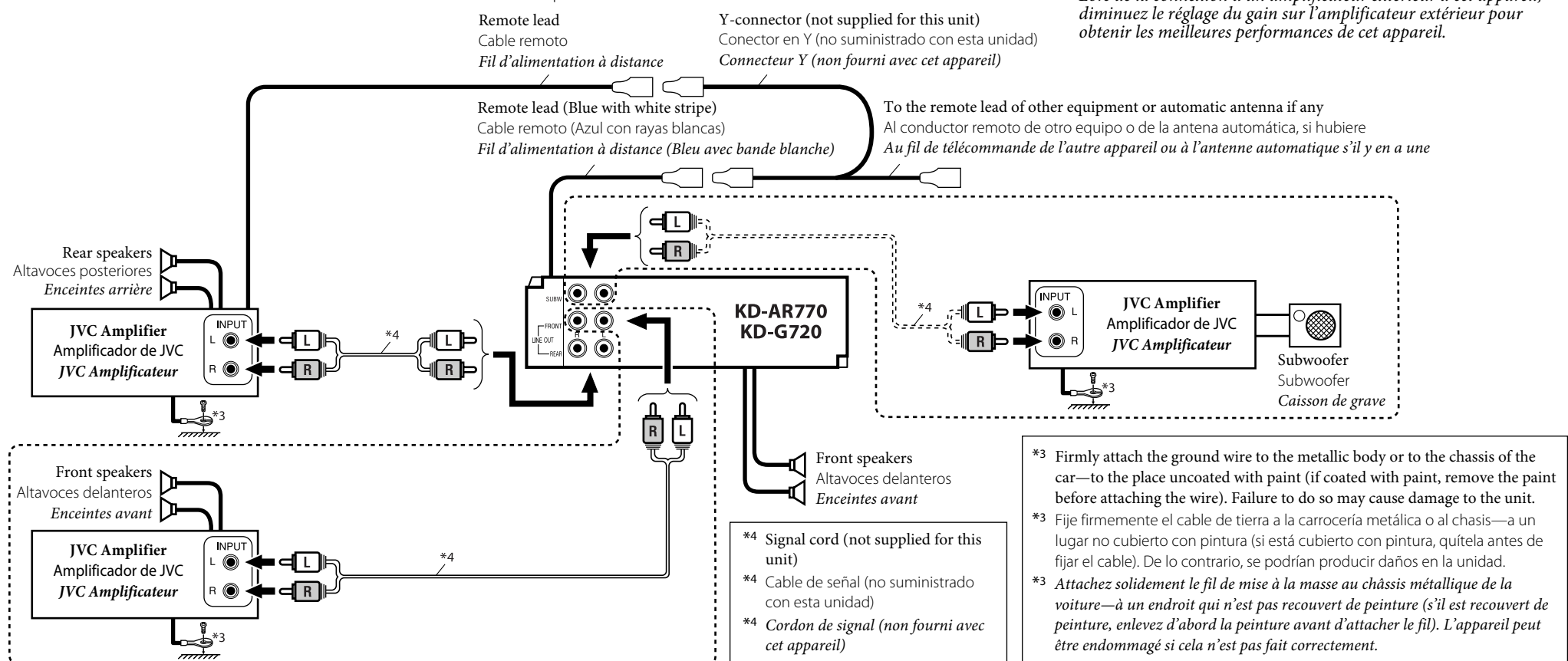
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
- For KD-AR770: The line output level of this unit is kept high to maintain the hi-fi sounds reproduced from this unit. When connecting an external amplifier to this unit, turn down the gain control on the external amplifier to obtain the best performance from this unit.

Usted podrá conectar amplificadores para mejorar el sistema estéreo de su automóvil.

- Conecte el conductor remoto (azul con rayas blancas) al conductor remoto del otro equipo para poderlo controlar a través de esta unidad.
- **Desconecte los altavoces de esta unidad y conéctelos al amplificador. Los cables de los altavoces de esta unidad quedan sin usar.**
- Para KD-AR770: El nivel de salida de línea de esta unidad permanece alto para que corresponda con los sonidos de alta fidelidad reproducidos por esta unidad. Cuando conecte un amplificador externo a esta unidad, disminuya el control de ganancia del amplificador externo para obtener un óptimo rendimiento de esta unidad.

Vous pouvez connecter des amplificateurs pour améliorer votre système autoradio.

- Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.
- **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.**
- Pour le KD-AR770: Le niveau de sortie de ligne de cet appareil est maintenu à un niveau élevé pour maintenir une qualité Hi-Fi pour les sons reproduits par cet appareil. Lors de la connexion d'un amplificateur extérieur à cet appareil, diminuez le réglage du gain sur l'amplificateur extérieur pour obtenir les meilleures performances de cet appareil.



## C Connecting the external components / Conexión de los componentes externos / Connexion des appareils extérieurs

**JVC CD changer, SIRIUS Satellite radio, XM Satellite radio, Apple iPod®, or JVC D. player / Cambiador de CD de JVC, radio satelital SIRIUS, radio satelital XM, iPod® de Apple o reproductor JVC D. / Changeur de CD JVC, radio satellite SIRIUS, radio satellite XM, iPod® Apple ou lecteur D. JVC**

- Set “CHANGER” for the external input setting (See page 16 of the INSTRUCTIONS.) / Seleccione “CHANGER” para el ajuste de entrada externa (Consulte la página16 del MANUAL DE INSTRUCCIONES.) / Réglez “CHANGER” pour le réglage de l’entrée extérieures (Voir page16 du MANUEL D’INSTRUCTIONS.)

You can connect these components in series as illustrated below.

- For listening to the SIRIUS Satellite radio, connect a JVC DLP —Down Link Processor (separately purchased) to this unit.
- The iPod®5 or D. player can be connected using an interface adapter (not supplied)—KS-PD100 (for iPod) or KS-PD500 (for D. player).

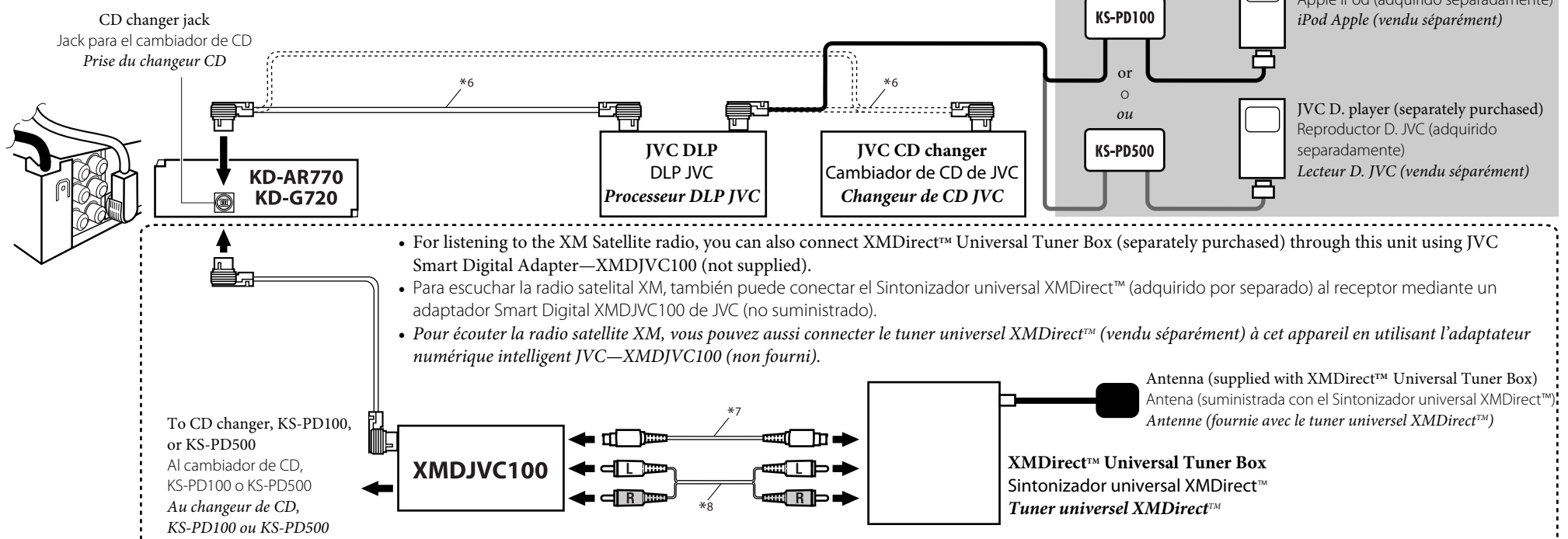
Estos componentes se pueden conectar en serie, tal como se muestra en la ilustración de abajo.

- Para escuchar la radio satelital SIRIUS, conecte un DLP (Down Link Processor) de JVC (adquirido por separado) al receptor.
- Puede conectar el iPod®5 o el reproductor D. usando un adaptador de interfaz (no suministrado)—KS-PD100 (para iPod) o KS-PD500 (para el reproductor D.).

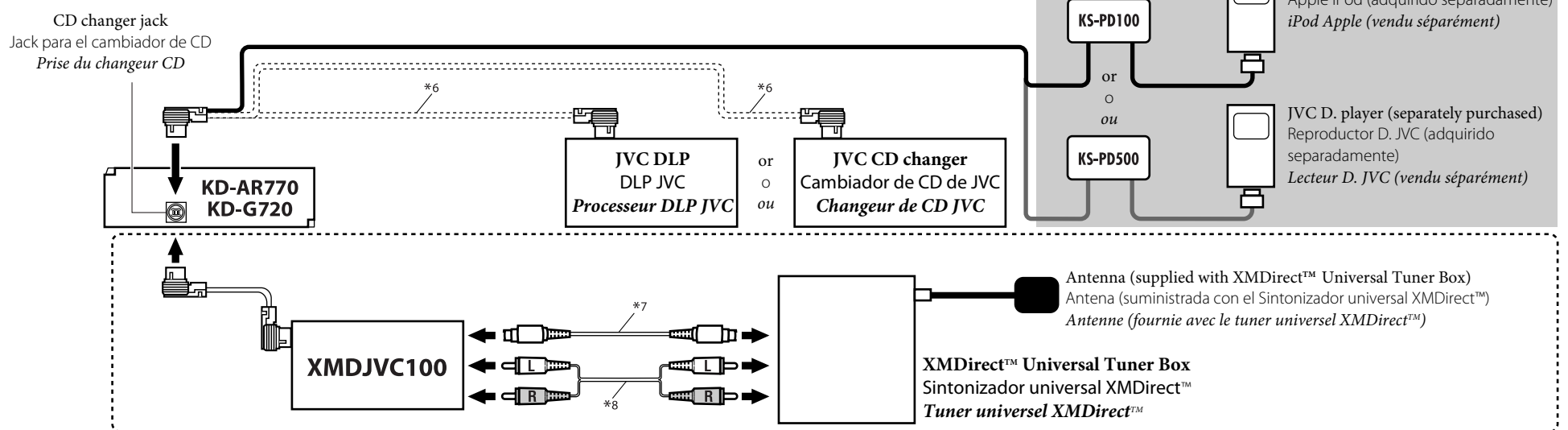
Vous pouvez connecter ces appareils en série comme montrée sur l’illustration.

- Pour écouter la radio satellite SIRIUS, connectez un processeur DLP JVC —Processeur de signaux satellite-terre (vendu séparément) à cet appareil.
- Le iPod®5 ou le lecteur D. peut être connecté en utilisant un adaptateur d’interface (non fourni)—KS-PD100 (pour iPod) ou KS-PD500 (pour le lecteur D.).

### Connection 1 (integrated connection) / Conexión 1 (conexión integrada) / Connexion 1 (connexion intégrée)



### Connection 2 (alternative connection) / Conexión 2 (conexión alternativa) / Connexion 2 (connexion alternative)



#### CAUTION / PRECAUCION / PRECAUTION:

- Before connecting the external components, make sure that the unit is turned off.
- Antes de conectar los componentes externos, asegúrese de que la unidad esté apagada.
- Avant de connecter les appareils extérieurs, assurez-vous que l’appareil est hors tension.

- \*5 iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
- \*5 iPod es una marca comercial de Apple Computer, Inc., registrada en los EE.UU. y otros países.
- \*5 iPod est une marque de commerce d’Apple Computer, Inc., enregistrée aux États-Unis et dans les autres pays.

- \*6 Connecting cord supplied with your JVC CD changer or DLP
- \*6 Conexión del cable suministrado para su cambiador de CD o DLP JVC
- \*6 Cordon de connexion fourni avec votre changeur CD ou processeur DLP JVC

- \*7 Signal cord supplied with your Smart Digital Adapter
- \*7 Cable de señal suministrado con el adaptador Smart Digital
- \*7 Cordon de signal fourni avec votre adaptateur numérique intelligent

- \*8 Audio signal cord supplied with your Smart Digital Adapter
- \*8 Cable de señal de audio suministrado con el adaptador Smart Digital
- \*8 Cordon audio fourni avec votre adaptateur numérique intelligent

### JVC PnP (Plug and Play) / PnP (“Plug and Play”) JVC / PnP (“Plug and Play”) JVC

- Set “EXT IN” for the external input setting (See page 16 of the INSTRUCTIONS.) / Seleccione “EXT IN” para el ajuste de entrada externa (Consulte la página16 del MANUAL DE INSTRUCCIONES.) / Réglez “EXT IN” pour le réglage de l’entrée extérieures (Voir page 16 du MANUEL D’INSTRUCTIONS.)

You can also connect JVC PnP through this unit using JVC SIRIUS radio adapter, KS-U100K (not supplied).

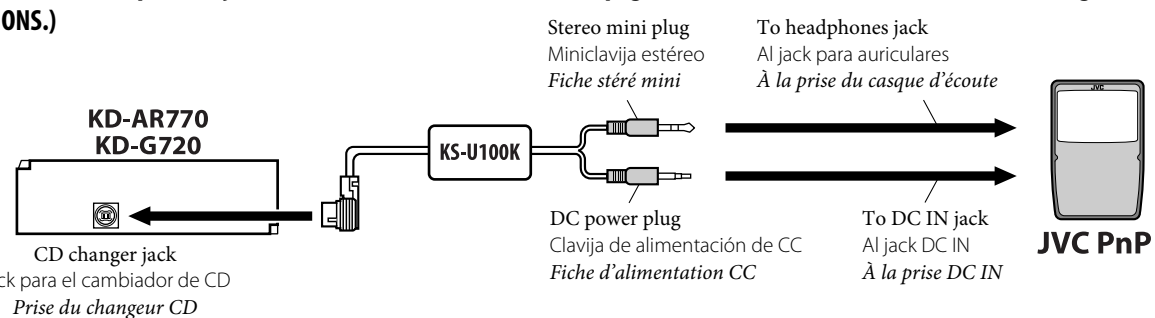
- Turning on/off the unit can also turns on/off the JVC PnP.

También podrá conectar la PnP JVC a través de este receptor utilizando el adaptador para radio SIRIUS JVC, KS-U100K (no suministrado).

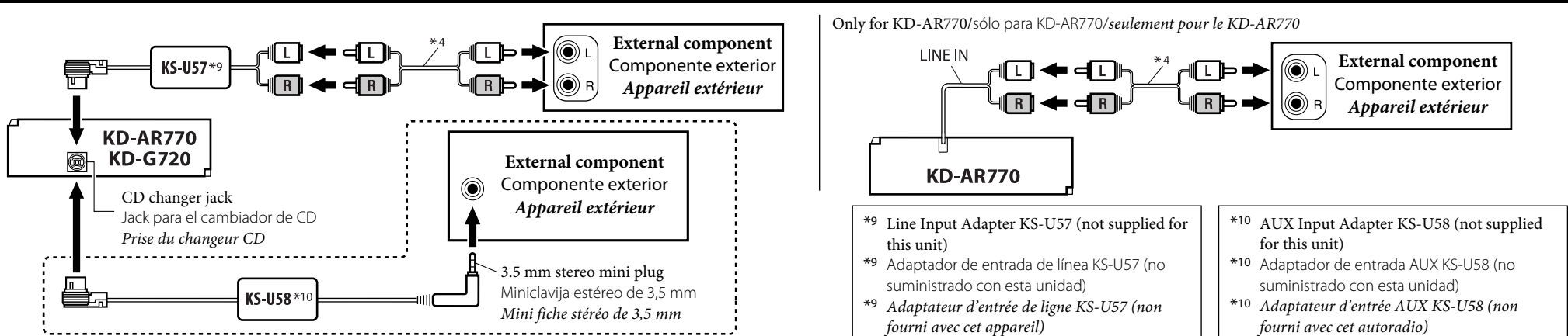
- Al encender/apagar el receptor también se enciende/apaga la PnP JVC.

Vous pouvez aussi connecter le PnP JVC à cet autoradio en utilisant l’adaptateur de radio SIRIUS JVC KS-U100K (non fourni).

- Mettre sous/hors tension l’autoradio peut aussi mettre sous/hors tension le PnP JVC.



### Other external component / Otro componente externo / Autre appareil extérieur

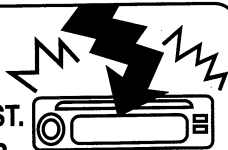






## CAUTION

CONNECT BLACK WIRE (① GND) TO GROUND FIRST.  
OTHERWISE, DAMAGE TO YOUR UNIT MAY OCCUR.

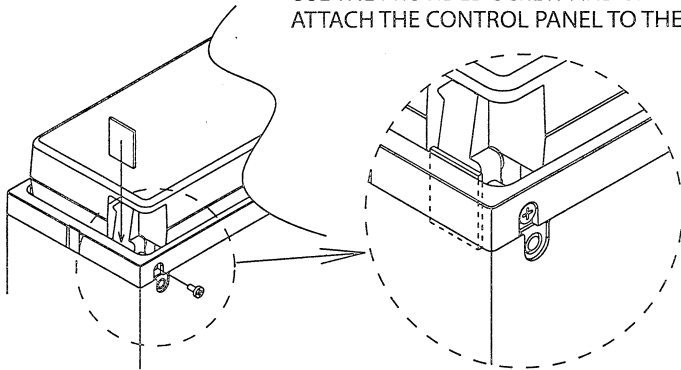


## CAUTION

INCORRECT CONNECTION CAUSES SERIOUS  
DAMAGE TO THIS UNIT.

PLEASE READ INSTALLATION/CONNECTION  
MANUAL CAREFULLY.

WHEN IT IS NOT REQUIRED TO DETACH THE  
FRONT CONTROL PANEL FROM THE MAIN UNIT,  
USE THE PROVIDED SCREW AND SHEET  
ATTACH THE CONTROL PANEL TO THE MAIN UNIT.



GE40336-001A

**Thank you for purchasing**



Instructions

Fold so opening is at the top.

Tape in middle or on front.

Please do not send products or other  
correspondence to this address.

307C



PLACE  
FIRST-CLASS  
STAMP  
HERE



**PO BOX 3434**

**PEORIA IL 61612-3434**



## **PRODUCT REGISTRATION CARD/QUESTIONNAIRE**

**US CUSTOMERS ONLY**

Registering your product will allow us to contact you in the unlikely event a product safety notification is required.

This form is for Product Registration purposes only. Failure to return this form does not diminish your rights during the warranty period.

**THANK YOU FOR PURCHASING THIS JVC PRODUCT**

**REGISTER ONLINE AT: [WWW.JVC.COM](http://WWW.JVC.COM)**

## JVC® Product Registration

**IMPORTANT: Please fill-out and return in  
10 days or Log to JVC.com  
and register On-Line**

First Name: \_\_\_\_\_  
Last Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Apt # \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email Address: \_\_\_\_\_

**Thank you! We appreciate your responses to this questionnaire.**  
**The information you choose to share with us will be used by JVC to offer you  
product information and other communications that may interest you.**  
**If you prefer not to be contacted about these special offers, please check here. { }**

Date of Purchase \_\_\_\_\_  
Model Number \_\_\_\_\_  
Serial Number \_\_\_\_\_  
Purchase Price \_\_\_\_\_  
Dealer \_\_\_\_\_

**1) Did you:**

- Purchase this product your self?
- Receive this product as a gift?

**2) Is this Product:**

- The first product of this type you have ever owned?
- A replacement for a similar JVC product?
- A replacement for a similar product made by another company?
- An addition to a similar product you are still using?

**3) What factors most influenced your  
decision to purchase this product?**

- JVC brand reputation
- Previous experience with JVC products
- Price
- Specific product features
- Style/appearance
- Salesperson's recommendation
- Friend/relative's recommendation
- Warranty coverage
- Other

**4) How did you learn about this product?**

- Magazine Advertisement
- Newspaper Advertisement
- TV/Radio Announcement
- Product Brochure
- Direct Mail
- Mail Order Catalog
- Friend/Relative Recommendations
- Salesperson/Store Recommendation
- Internet
- Dealer Event
- Other

**5) Your Gender:**

- Male
- Female

**6) Your Marital Status**

- Married
- Single

**7) What is your approximate annual  
household income level?**

- Under \$25,000
- \$25,000 – \$49,000
- \$50,000 – \$74,000
- \$75,000 – \$99,000
- \$100,000 and over

**Comments:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**JVC Thanks you for completing this  
questionnaire.**

**Your responses will help us reach you with  
offers that may interest you.**

**If you prefer not to receive these offers  
please check here { }**

# ***TO OUR VALUED CUSTOMER*** ———

THANK YOU FOR PURCHASING THIS JVC PRODUCT.  
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

**NEED HELP ON HOW TO HOOK UP?  
NEED ASSISTANCE ON HOW TO OPERATE?  
NEED TO LOCATE A JVC SERVICE CENTER?  
LIKE TO PURCHASE ACCESSORIES?**

**JVC<sup>®</sup> IS HERE TO HELP!**  
**TOLL FREE: 1(800)252-5722**  
**<http://www.jvc.com>**

Remember to retain your Bill of Sale for Warranty Service.

————— **Do not attempt to service the product yourself** —————

**Caution**

To prevent electrical shock, do not open the cabinet.  
There are no user serviceable parts inside.  
Please refer to qualified service personnel for repairs.

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## LIMITED WARRANTY

AUDIO-1 **USA ONLY**

**ONLY FOR PRODUCT PURCHASED IN U.S.A.**

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below **ONLY TO THE ORIGINAL RETAIL PURCHASER** to be **FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP** from the date of original purchase for the period shown below. ("The Warranty Period")

PARTS	LABOR
<b>1 YR</b>	<b>1 YR</b>

**THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.**

### WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

### WHAT YOU MUST DO FOR WARRANTY SERVICE:

**Please do not return your product to the retailer**

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website <http://www.jvc.com>. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department at 800-252-5722

### WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA  
DIVISION OF JVC AMERICAS CORP.

1700 Valley Road  
Wayne, NJ 07470

<http://www.jvc.com>

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

### For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. :

Serial No. :

Purchase date :

Name of dealer :